

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021720\
 Data File : VY001639.D
 Acq On : 17 Feb 2020 11:29
 Operator : SY/MD
 Sample : VSTDIC100
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 2/19/2020 10:50:04 AM

Quant Time: Feb 17 12:15:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 11:55:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	201094	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	364164	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	328793	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	150803	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	228331	111.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	222.82%	
35) Dibromofluoromethane	7.75	113	208528	99.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	199.40%	
50) Toluene-d8	10.19	98	876873	110.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	220.22%	
62) 4-Bromofluorobenzene	12.49	95	321129	102.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	204.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	212335	107.162	ug/l	98
3) Chloromethane	2.13	50	263704	122.022	ug/l	100
4) Vinyl Chloride	2.26	62	272219	122.226	ug/l	99
5) Bromomethane	2.65	94	163240	116.988	ug/l	100
6) Chloroethane	2.80	64	164446	122.443	ug/l	100
7) Trichlorofluoromethane	3.15	101	343078	97.724	ug/l	98
8) Diethyl Ether	3.55	74	133108	109.288	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.92	101	214141	100.714	ug/l	100
10) Methyl Iodide	4.11	142	283378	104.772	ug/l	99
11) Tert butyl alcohol	5.00	59	122583	386.180	ug/l	100
12) 1,1-Dichloroethene	3.90	96	218625	103.284	ug/l	96
13) Acrolein	3.76	56	109490	558.377	ug/l	100
14) Allyl chloride	4.51	41	395706	118.316	ug/l	99
15) Acrylonitrile	5.20	53	356394	618.923	ug/l	100
16) Acetone	3.97	43	426756	673.268	ug/l	100
17) Carbon Disulfide	4.22	76	742374	109.048	ug/l	99
18) Methyl Acetate	4.51	43	161130	121.616	ug/l	98
19) Methyl tert-butyl Ether	5.25	73	623225	109.068	ug/l	99
20) Methylene Chloride	4.75	84	243511	92.263	ug/l	99
21) trans-1,2-Dichloroethene	5.25	96	251214	106.117	ug/l	97
22) Diisopropyl ether	6.16	45	824381	123.662	ug/l	96
23) Vinyl Acetate	6.10	43	2742254	638.828	ug/l	100
24) 1,1-Dichloroethane	6.05	63	433923	110.699	ug/l	99
25) 2-Butanone	7.02	43	563368	684.499	ug/l	99
26) 2,2-Dichloropropane	7.02	77	366193	99.181	ug/l	99
27) cis-1,2-Dichloroethene	7.02	96	276139	106.567	ug/l	99
28) Bromochloromethane	7.36	49	201154	145.406	ug/l	100
29) Tetrahydrofuran	7.38	42	320183	655.393	ug/l	98
30) Chloroform	7.53	83	415198	105.629	ug/l	98
31) Cyclohexane	7.81	56	444057	110.294	ug/l	98
32) 1,1,1-Trichloroethane	7.73	97	358414	101.739	ug/l	100
36) 1,1-Dichloropropene	7.94	75	346606	103.505	ug/l	100
37) Ethyl Acetate	7.10	43	207627	121.925	ug/l	99
38) Carbon Tetrachloride	7.93	117	305323	95.729	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021720\
 Data File : VY001639.D
 Acq On : 17 Feb 2020 11:29
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 2/19/2020 10:50:04 AM

Quant Time: Feb 17 12:15:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 11:55:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	465789	105.773	ug/l	98
40) Benzene	8.19	78	1024913	106.715	ug/l	100
41) Methacrylonitrile	7.35	41	92149m	120.859	ug/l	
42) 1,2-Dichloroethane	8.26	62	280984	104.857	ug/l	98
43) Isopropyl Acetate	8.30	43	405340	120.653	ug/l	100
44) Trichloroethene	8.96	130	252034	98.602	ug/l	99
45) 1,2-Dichloropropane	9.24	63	258692	110.721	ug/l	99
46) Dibromomethane	9.32	93	135167	103.906	ug/l	99
47) Bromodichloromethane	9.51	83	326098	103.365	ug/l	98
48) Methyl methacrylate	9.31	41	184719	121.424	ug/l	98
49) 1,4-Dioxane	9.32	88	39386	2247.926	ug/l	97
51) 4-Methyl-2-Pentanone	10.08	43	1042940	623.346	ug/l	99
52) Toluene	10.25	92	642710	105.455	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	371759	107.181	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	424334	107.180	ug/l	98
55) 1,1,2-Trichloroethane	10.66	97	202910	107.999	ug/l	97
56) Ethyl methacrylate	10.52	69	316856	116.973	ug/l	97
57) 1,3-Dichloropropane	10.80	76	352799	106.172	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	555520	567.133	ug/l	99
59) 2-Hexanone	10.84	43	814166	659.254	ug/l	98
60) Dibromochloromethane	11.00	129	224907	102.693	ug/l	98
61) 1,2-Dibromoethane	11.10	107	193255	105.033	ug/l	99
64) Tetrachloroethene	10.73	164	200722	94.241	ug/l	99
65) Chlorobenzene	11.52	112	650766	100.970	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	217649	96.845	ug/l	99
67) Ethyl Benzene	11.60	91	1210883	101.364	ug/l	100
68) m/p-Xylenes	11.71	106	900593	200.713	ug/l	99
69) o-Xylene	12.03	106	432210	102.075	ug/l	99
70) Styrene	12.05	104	761198	103.695	ug/l	99
71) Bromoform	12.21	173	133461	105.378	ug/l #	99
73) Isopropylbenzene	12.33	105	1169500	102.246	ug/l	100
74) N-amyl acetate	12.15	43	379503	121.458	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	258234	114.949	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	176937m	109.459	ug/l	
77) Bromobenzene	12.61	156	246863	99.744	ug/l	98
78) n-propylbenzene	12.67	91	1426724	103.562	ug/l	99
79) 2-Chlorotoluene	12.76	91	802911	102.714	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	964061	100.044	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	98773	114.432	ug/l #	81
82) 4-Chlorotoluene	12.86	91	837369	101.608	ug/l	99
83) tert-Butylbenzene	13.08	119	790997	97.356	ug/l	98
84) 1,2,4-Trimethylbenzene	13.13	105	947098	99.174	ug/l	99
85) sec-Butylbenzene	13.26	105	1181204	102.770	ug/l	99
86) p-Isopropyltoluene	13.37	119	997990	98.598	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	468979	98.219	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	481332	100.674	ug/l	99
89) n-Butylbenzene	13.70	91	1046341	104.126	ug/l	100
90) Hexachloroethane	13.96	117	197812	101.997	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	438810	101.257	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	42402	103.902	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021720\
Data File : VY001639.D
Acq On : 17 Feb 2020 11:29
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

MMDadoda
2/19/2020 10:50:04 AM

Quant Time: Feb 17 12:15:47 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 17 11:55:18 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	283126	96.923	ug/l	98
94) Hexachlorobutadiene	15.11	225	138028	94.082	ug/l	99
95) Naphthalene	15.23	128	694647	100.238	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	251986	97.451	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY021720\
Data File : VY001639.D
Acq On : 17 Feb 2020 11:29
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

MMDadoda
2/19/2020 10:50:04 AM

Quant Time: Feb 17 12:15:47 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 17 11:55:18 2020
Response via : Initial Calibration

