

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY031820\
 Data File : VY002002.D
 Acq On : 18 Mar 2020 10:10
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/19/2020 11:59:32 AM

Quant Time: Mar 19 03:57:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	158796	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	287492	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	255573	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	117312	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	83444	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	
35) Dibromofluoromethane	7.74	113	79501	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	
50) Toluene-d8	10.19	98	333285	50.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.70%	
62) 4-Bromofluorobenzene	12.49	95	115590	50.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	65347	44.581	ug/l	98
3) Chloromethane	2.13	50	90683	45.887	ug/l	97
4) Vinyl Chloride	2.27	62	97091	48.300	ug/l	98
5) Bromomethane	2.67	94	64822	55.902	ug/l	97
6) Chloroethane	2.82	64	62426	49.437	ug/l	99
7) Trichlorofluoromethane	3.15	101	135886	49.845	ug/l	95
8) Diethyl Ether	3.55	74	54708	50.916	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.93	101	90380	51.544	ug/l	99
10) Methyl Iodide	4.12	142	102654	50.624	ug/l	100
11) Tert butyl alcohol	4.99	59	42484	239.905	ug/l	99
12) 1,1-Dichloroethene	3.90	96	89556	50.725	ug/l	96
13) Acrolein	3.76	56	50272	211.029	ug/l	99
14) Allyl chloride	4.51	41	159823	51.063	ug/l	99
15) Acrylonitrile	5.20	53	142512	248.210	ug/l	99
16) Acetone	3.97	43	145987	295.664	ug/l	95
17) Carbon Disulfide	4.22	76	276716	46.624	ug/l	99
18) Methyl Acetate	4.50	43	60617	47.780	ug/l	99
19) Methyl tert-butyl Ether	5.25	73	245492	51.310	ug/l	96
20) Methylene Chloride	4.75	84	103011	48.678	ug/l	98
21) trans-1,2-Dichloroethene	5.25	96	101134	50.468	ug/l	96
22) Diisopropyl ether	6.15	45	333212	51.936	ug/l	98
23) Vinyl Acetate	6.10	43	1075270	255.651	ug/l	97
24) 1,1-Dichloroethane	6.05	63	180126	51.844	ug/l	99
25) 2-Butanone	7.02	43	197935	263.606	ug/l	98
26) 2,2-Dichloropropane	7.01	77	152768	53.572	ug/l	99
27) cis-1,2-Dichloroethene	7.02	96	111761	51.271	ug/l	98
28) Bromochloromethane	7.36	49	80612	51.475	ug/l	100
29) Tetrahydrofuran	7.37	42	118146	236.942	ug/l	99
30) Chloroform	7.53	83	171987	52.688	ug/l	97
31) Cyclohexane	7.81	56	180353	48.413	ug/l	97
32) 1,1,1-Trichloroethane	7.73	97	147005	53.432	ug/l	98
36) 1,1-Dichloropropene	7.94	75	144342	52.174	ug/l	100
37) Ethyl Acetate	7.10	43	82146	51.088	ug/l	99
38) Carbon Tetrachloride	7.92	117	124674	52.753	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY031820\
 Data File : VY002002.D
 Acq On : 18 Mar 2020 10:10
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/19/2020 11:59:32 AM

Quant Time: Mar 19 03:57:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	188243	51.302	ug/l	96
40) Benzene	8.19	78	419686	51.181	ug/l	100
41) Methacrylonitrile	7.35	41	38834m	53.666	ug/l	
42) 1,2-Dichloroethane	8.26	62	108662	51.425	ug/l	100
43) Isopropyl Acetate	8.29	43	152482	50.089	ug/l	99
44) Trichloroethene	8.96	130	103014	51.583	ug/l	98
45) 1,2-Dichloropropane	9.24	63	107990	52.388	ug/l	99
46) Dibromomethane	9.32	93	54258	51.078	ug/l	99
47) Bromodichloromethane	9.52	83	131899	53.378	ug/l	98
48) Methyl methacrylate	9.31	41	67938	50.294	ug/l	96
49) 1,4-Dioxane	9.32	88	13729	943.209	ug/l	92
51) 4-Methyl-2-Pentanone	10.09	43	404600	258.035	ug/l	99
52) Toluene	10.26	92	258934	51.981	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	144249	53.581	ug/l	100
54) cis-1,3-Dichloropropene	9.94	75	168532	52.586	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	80182	51.577	ug/l	96
56) Ethyl methacrylate	10.52	69	117219	51.442	ug/l	97
57) 1,3-Dichloropropane	10.80	76	142412	51.391	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	191895	239.557	ug/l	99
59) 2-Hexanone	10.85	43	293338	262.104	ug/l	99
60) Dibromochloromethane	11.00	129	88271	53.885	ug/l	100
61) 1,2-Dibromoethane	11.10	107	75825	51.491	ug/l	99
64) Tetrachloroethene	10.74	164	83800	52.285	ug/l	97
65) Chlorobenzene	11.53	112	266053	52.245	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.60	131	89823	53.788	ug/l	100
67) Ethyl Benzene	11.61	91	502346	52.894	ug/l	99
68) m/p-Xylenes	11.72	106	372524	106.095	ug/l	100
69) o-Xylene	12.04	106	174852	52.834	ug/l	99
70) Styrene	12.06	104	305261	53.855	ug/l	99
71) Bromoform	12.22	173	48929	54.027	ug/l #	100
73) Isopropylbenzene	12.34	105	476239	53.180	ug/l	100
74) N-amyl acetate	12.16	43	136645	49.647	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	99667	51.609	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	67150m	48.240	ug/l	
77) Bromobenzene	12.62	156	100098	52.757	ug/l	96
78) n-propylbenzene	12.68	91	593884	53.754	ug/l	100
79) 2-Chlorotoluene	12.77	91	320596	52.523	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	390589	52.980	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	36010	52.255	ug/l	98
82) 4-Chlorotoluene	12.86	91	335280	52.755	ug/l	98
83) tert-Butylbenzene	13.08	119	337389	55.099	ug/l	97
84) 1,2,4-Trimethylbenzene	13.13	105	385758	52.725	ug/l	99
85) sec-Butylbenzene	13.27	105	489999	54.289	ug/l	100
86) p-Isopropyltoluene	13.38	119	419290	53.853	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	195901	52.689	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	195596	51.856	ug/l	99
89) n-Butylbenzene	13.70	91	429405	53.159	ug/l	100
90) Hexachloroethane	13.97	117	79930	54.418	ug/l	100
91) 1,2-Dichlorobenzene	13.75	146	178381	52.810	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	14384	47.732	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY031820\
Data File : VY002002.D
Acq On : 18 Mar 2020 10:10
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
3/19/2020 11:59:32 AM

Quant Time: Mar 19 03:57:35 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 05 04:05:33 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	112923	51.551	ug/l	99
94) Hexachlorobutadiene	15.12	225	55890	52.333	ug/l	99
95) Naphthalene	15.25	128	258091	49.672	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	99367	51.493	ug/l	99

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY031820\
 Data File : VY002002.D
 Acq On : 18 Mar 2020 10:10
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/19/2020 11:59:32 AM

Quant Time: Mar 19 03:57:35 2020
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

