

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY012120\
 Data File : VY001322.D
 Acq On : 21 Jan 2020 15:25
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 1/22/2020 10:49:30 AM

Quant Time: Jan 21 16:36:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 21 16:22:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	191787	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	335908	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	293775	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	141283	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	39734	19.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.04%	
35) Dibromofluoromethane	7.74	113	40858	20.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.50%	
50) Toluene-d8	10.19	98	140924	18.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.20%	
62) 4-Bromofluorobenzene	12.49	95	63139	20.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	32695	22.002	ug/l	93
3) Chloromethane	2.13	50	47407	21.966	ug/l	96
4) Vinyl Chloride	2.26	62	48727	22.369	ug/l	98
5) Bromomethane	2.65	94	32484	26.928	ug/l	97
6) Chloroethane	2.80	64	31426	24.504	ug/l	98
7) Trichlorofluoromethane	3.15	101	63328	21.070	ug/l	97
8) Diethyl Ether	3.55	74	25818	21.952	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.92	101	39599	20.532	ug/l	99
10) Methyl Iodide	4.11	142	52824	19.997	ug/l	99
11) Tert butyl alcohol	4.99	59	30694	142.469	ug/l #	87
12) 1,1-Dichloroethene	3.90	96	41384	20.937	ug/l	96
13) Acrolein	3.75	56	19818	111.393	ug/l	97
14) Allyl chloride	4.51	41	72485	21.532	ug/l	99
15) Acrylonitrile	5.20	53	63848	107.507	ug/l	100
16) Acetone	3.97	43	54424	110.600	ug/l	96
17) Carbon Disulfide	4.22	76	133065	20.964	ug/l	97
18) Methyl Acetate	4.51	43	32813	20.653	ug/l	98
19) Methyl tert-butyl Ether	5.25	73	118415	21.480	ug/l	100
20) Methylene Chloride	4.75	84	59918	22.364	ug/l	96
21) trans-1,2-Dichloroethene	5.25	96	48510	21.611	ug/l	92
22) Diisopropyl ether	6.15	45	150481	21.798	ug/l	99
23) Vinyl Acetate	6.10	43	491445	110.912	ug/l	99
24) 1,1-Dichloroethane	6.05	63	82764	21.995	ug/l	98
25) 2-Butanone	7.02	43	85982	112.985	ug/l	98
26) 2,2-Dichloropropane	7.02	77	71677	20.846	ug/l	99
27) cis-1,2-Dichloroethene	7.02	96	53691	21.759	ug/l	99
28) Bromochloromethane	7.36	49	29466	19.211	ug/l	98
29) Tetrahydrofuran	7.38	42	55904	108.245	ug/l	99
30) Chloroform	7.53	83	79607	21.687	ug/l	98
31) Cyclohexane	7.81	56	80571	20.469	ug/l	94
32) 1,1,1-Trichloroethane	7.72	97	66173	20.409	ug/l	99
36) 1,1-Dichloropropene	7.94	75	64620	21.023	ug/l	99
37) Ethyl Acetate	7.11	43	38829	21.268	ug/l	99
38) Carbon Tetrachloride	7.92	117	57399	20.435	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY012120\
 Data File : VY001322.D
 Acq On : 21 Jan 2020 15:25
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 1/22/2020 10:49:30 AM

Quant Time: Jan 21 16:36:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 21 16:22:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	82860	20.022	ug/l	98
40) Benzene	8.18	78	195107	21.620	ug/l	100
41) Methacrylonitrile	7.34	41	25499m	29.626	ug/l	
42) 1,2-Dichloroethane	8.26	62	53691	21.260	ug/l	100
43) Isopropyl Acetate	8.30	43	74252	21.196	ug/l	99
44) Trichloroethene	8.96	130	50870	21.796	ug/l	99
45) 1,2-Dichloropropane	9.24	63	47842	21.317	ug/l	98
46) Dibromomethane	9.32	93	26025	21.388	ug/l	97
47) Bromodichloromethane	9.51	83	61768	20.881	ug/l	96
48) Methyl methacrylate	9.31	41	33538	20.829	ug/l	99
49) 1,4-Dioxane	9.31	88	6895	458.862	ug/l	91
51) 4-Methyl-2-Pentanone	10.08	43	188421	105.952	ug/l	100
52) Toluene	10.25	92	122192	21.287	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	67586	20.404	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	78637	21.031	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	37823	20.900	ug/l	97
56) Ethyl methacrylate	10.52	69	56003	20.285	ug/l	98
57) 1,3-Dichloropropane	10.80	76	66331	21.358	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	100186	104.405	ug/l	99
59) 2-Hexanone	10.85	43	129470	103.825	ug/l	100
60) Dibromochloromethane	11.00	129	42544	20.595	ug/l	100
61) 1,2-Dibromoethane	11.10	107	35439	20.159	ug/l	98
64) Tetrachloroethene	10.73	164	38313	20.403	ug/l	99
65) Chlorobenzene	11.52	112	125444	21.251	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	42887	21.098	ug/l	98
67) Ethyl Benzene	11.60	91	235408	21.778	ug/l	96
68) m/p-Xylenes	11.71	106	175458	43.161	ug/l	99
69) o-Xylene	12.04	106	83530	21.368	ug/l	98
70) Styrene	12.05	104	145802	21.282	ug/l	99
71) Bromoform	12.22	173	25200	20.251	ug/l #	100
73) Isopropylbenzene	12.34	105	221573	20.731	ug/l	100
74) N-amyl acetate	12.15	43	70255	20.874	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	45797	20.205	ug/l	97
76) 1,2,3-Trichloropropane	12.64	75	28783m	18.426	ug/l	
77) Bromobenzene	12.62	156	49386	20.902	ug/l	98
78) n-propylbenzene	12.68	91	269059	20.911	ug/l	100
79) 2-Chlorotoluene	12.77	91	152216	20.640	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	185494	20.838	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	17234	19.292	ug/l	98
82) 4-Chlorotoluene	12.86	91	161235	20.494	ug/l	99
83) tert-Butylbenzene	13.08	119	157193	20.938	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	186570	21.075	ug/l	99
85) sec-Butylbenzene	13.26	105	223780	20.732	ug/l	98
86) p-Isopropyltoluene	13.38	119	201142	21.491	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	96913	21.602	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	97341	21.156	ug/l	99
89) n-Butylbenzene	13.70	91	200820	21.334	ug/l	98
90) Hexachloroethane	13.97	117	38164	20.912	ug/l	100
91) 1,2-Dichlorobenzene	13.75	146	88444	21.241	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	7890	19.559	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY012120\
Data File : VY001322.D
Acq On : 21 Jan 2020 15:25
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

MMDadoda
1/22/2020 10:49:30 AM

Quant Time: Jan 21 16:36:16 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
Quant Title : SW846 8260
QLast Update : Tue Jan 21 16:22:02 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	59403	21.714	ug/l	99
94) Hexachlorobutadiene	15.12	225	30144	21.977	ug/l	99
95) Naphthalene	15.25	128	131443	20.650	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	51735	21.404	ug/l	99

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

