

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111220\
 Data File : VY003531.D
 Acq On : 12 Nov 2020 16:23
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

SAM
 11/13/2020 6:14:11 PM

Quant Time: Nov 13 02:27:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y110220S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 02 12:40:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	255962	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.69	114	360086	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	326369	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	176422	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	118532	45.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.34%	
35) Dibromofluoromethane	7.72	113	109683	50.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.12%	
50) Toluene-d8	10.17	98	443559	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	
62) 4-Bromofluorobenzene	12.48	95	151104	50.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	86987	42.952	ug/l	97
3) Chloromethane	2.12	50	118030	44.271	ug/l	96
4) Vinyl Chloride	2.26	62	135058	45.128	ug/l	96
5) Bromomethane	2.65	94	96232	38.486	ug/l	99
6) Chloroethane	2.80	64	86452	48.466	ug/l	98
7) Trichlorofluoromethane	3.13	101	182154	47.951	ug/l	100
8) Diethyl Ether	3.54	74	54708	46.963	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.90	101	107207	51.062	ug/l	100
10) Methyl Iodide	4.10	142	113156	52.278	ug/l	98
11) Tert butyl alcohol	4.96	59	65002	249.279	ug/l #	94
12) 1,1-Dichloroethene	3.87	96	102193	48.921	ug/l	97
13) Acrolein	3.73	56	39016	179.161	ug/l	98
14) Allyl chloride	4.48	41	180253	47.296	ug/l	99
15) Acrylonitrile	5.17	53	126083	202.766	ug/l	99
16) Acetone	3.95	43	159351	184.084	ug/l	99
17) Carbon Disulfide	4.19	76	302209	44.657	ug/l	100
18) Methyl Acetate	4.48	43	67578	41.310	ug/l	100
19) Methyl tert-butyl Ether	5.22	73	245201	47.391	ug/l	99
20) Methylene Chloride	4.72	84	116677	47.860	ug/l	99
21) trans-1,2-Dichloroethene	5.22	96	118532	49.003	ug/l	99
22) Diisopropyl ether	6.12	45	335417	50.177	ug/l	96
23) Vinyl Acetate	6.07	43	1121371	223.237	ug/l	99
24) 1,1-Dichloroethane	6.02	63	211881	49.880	ug/l	99
25) 2-Butanone	6.99	43	203853	188.288	ug/l	98
26) 2,2-Dichloropropane	6.99	77	197985	50.030	ug/l	100
27) cis-1,2-Dichloroethene	6.99	96	132740	50.644	ug/l	100
28) Bromochloromethane	7.33	49	107014	50.078	ug/l	97
29) Tetrahydrofuran	7.35	42	106926	189.005	ug/l	98
30) Chloroform	7.51	83	212027	50.819	ug/l	100
31) Cyclohexane	7.78	56	178654	45.423	ug/l	97
32) 1,1,1-Trichloroethane	7.71	97	194811	50.051	ug/l	100
36) 1,1-Dichloropropene	7.92	75	169759	50.002	ug/l	100
37) Ethyl Acetate	7.08	43	80996	38.420	ug/l	98
38) Carbon Tetrachloride	7.90	117	178801	50.766	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111220\
 Data File : VY003531.D
 Acq On : 12 Nov 2020 16:23
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

SAM
 11/13/2020 6:14:11 PM

Quant Time: Nov 13 02:27:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y110220S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 02 12:40:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	188407	49.839	ug/l	98
40) Benzene	8.16	78	475244	50.300	ug/l	99
41) Methacrylonitrile	7.33	41	49340m	43.827	ug/l	
42) 1,2-Dichloroethane	8.24	62	141346	47.745	ug/l	99
43) Isopropyl Acetate	8.27	43	157178	41.485	ug/l	97
44) Trichloroethene	8.94	130	136905	51.616	ug/l	94
45) 1,2-Dichloropropane	9.22	63	120230	50.390	ug/l	99
46) Dibromomethane	9.30	93	62849	47.879	ug/l	99
47) Bromodichloromethane	9.50	83	165087	51.383	ug/l	98
48) Methyl methacrylate	9.29	41	75310	42.197	ug/l	97
49) 1,4-Dioxane	9.30	88	13955	852.012	ug/l	96
51) 4-Methyl-2-Pentanone	10.07	43	406391	201.318	ug/l	100
52) Toluene	10.24	92	304435	51.517	ug/l	99
53) t-1,3-Dichloropropene	10.46	75	167995	49.134	ug/l	97
54) cis-1,3-Dichloropropene	9.92	75	195113	50.711	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	90949	48.808	ug/l	99
56) Ethyl methacrylate	10.51	69	117362	47.022	ug/l	98
57) 1,3-Dichloropropane	10.79	76	158398	48.886	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	303589	239.940	ug/l	99
59) 2-Hexanone	10.83	43	291825	195.250	ug/l	98
60) Dibromochloromethane	10.99	129	115790	50.558	ug/l	99
61) 1,2-Dibromoethane	11.09	107	85783	47.685	ug/l	98
64) Tetrachloroethene	10.72	164	127351	52.249	ug/l	96
65) Chlorobenzene	11.52	112	331501	52.283	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	125695	52.566	ug/l	99
67) Ethyl Benzene	11.59	91	603539	52.494	ug/l	100
68) m/p-Xylenes	11.70	106	457673	105.045	ug/l	100
69) o-Xylene	12.03	106	212094	52.920	ug/l	99
70) Styrene	12.04	104	365047	53.644	ug/l	100
71) Bromoform	12.20	173	76757	48.159	ug/l	100
73) Isopropylbenzene	12.33	105	596835	51.789	ug/l	100
74) N-amyl acetate	12.14	43	142207	43.563	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	106289	43.179	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	84223m	45.119	ug/l	
77) Bromobenzene	12.61	156	147066	50.226	ug/l	98
78) n-propylbenzene	12.67	91	699067	51.498	ug/l	99
79) 2-Chlorotoluene	12.75	91	387924	51.150	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	504462	52.831	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	37241	41.640	ug/l	98
82) 4-Chlorotoluene	12.85	91	403242	50.879	ug/l	98
83) tert-Butylbenzene	13.07	119	442353	52.235	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	506978	53.125	ug/l	99
85) sec-Butylbenzene	13.25	105	614265	53.570	ug/l	100
86) p-Isopropyltoluene	13.36	119	574261	54.001	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	289131	53.007	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	284203	52.398	ug/l	99
89) n-Butylbenzene	13.69	91	530311	54.597	ug/l	100
90) Hexachloroethane	13.95	117	95830	53.544	ug/l	97
91) 1,2-Dichlorobenzene	13.74	146	250582	51.714	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	17947	40.275	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111220\
Data File : VY003531.D
Acq On : 12 Nov 2020 16:23
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

SAM
11/13/2020 6:14:11 PM

Quant Time: Nov 13 02:27:30 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y110220S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 02 12:40:51 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	184321	53.778	ug/l	100
94) Hexachlorobutadiene	15.11	225	122099	55.377	ug/l	99
95) Naphthalene	15.23	128	318974	46.474	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	160143	51.942	ug/l	99

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

