

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042220\
 Data File : VD065667.D
 Acq On : 22 Apr 2020 15:33
 Operator : VA/SY
 Sample : VSTDICC100
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 4/23/2020 1:31:45 PM

Quant Time: Apr 23 03:49:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042220S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 23 03:30:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	242289	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	327776	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	308681	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	159725	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	184689	90.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	180.42%	
35) Dibromofluoromethane	7.92	113	192545	94.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	188.56%	
50) Toluene-d8	10.34	98	724846	95.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	191.82%	
62) 4-Bromofluorobenzene	12.64	95	239635	96.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	192.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	204294	104.676	ug/l	100
3) Chloromethane	2.21	50	205997	96.420	ug/l	98
4) Vinyl Chloride	2.35	62	235075	100.949	ug/l	97
5) Bromomethane	2.76	94	139884	108.944	ug/l	93
6) Chloroethane	2.92	64	140944	101.447	ug/l	95
7) Trichlorofluoromethane	3.27	101	330379	99.125	ug/l	99
8) Diethyl Ether	3.71	74	73763	108.782	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	159397	104.542	ug/l	100
10) Methyl Iodide	4.29	142	191366	92.982	ug/l	98
11) Tert butyl alcohol	5.24	59	43840	388.905	ug/l	96
12) 1,1-Dichloroethene	4.06	96	148094	108.016	ug/l	98
13) Acrolein	3.93	56	55513	627.749	ug/l	99
14) Allyl chloride	4.71	41	244639	96.034	ug/l	99
15) Acrylonitrile	5.43	53	171942	397.076	ug/l	97
16) Acetone	4.16	43	148272	510.551	ug/l	99
17) Carbon Disulfide	4.40	76	497002	93.173	ug/l	100
18) Methyl Acetate	4.72	43	86719	91.044	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	353915	88.129	ug/l	95
20) Methylene Chloride	4.96	84	162818	71.211	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	179485	77.502	ug/l	98
22) Diisopropyl ether	6.37	45	515773	83.147	ug/l	96
23) Vinyl Acetate	6.31	43	1541172	466.210	ug/l	99
24) 1,1-Dichloroethane	6.27	63	301338	76.212	ug/l	100
25) 2-Butanone	7.22	43	300888	568.191	ug/l	99
26) 2,2-Dichloropropane	7.21	77	350058	101.670	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	258401	107.197	ug/l	98
28) Bromochloromethane	7.55	49	148768	92.162	ug/l	99
29) Tetrahydrofuran	7.57	42	201735	600.835	ug/l	99
30) Chloroform	7.71	83	408516	101.425	ug/l	98
31) Cyclohexane	7.98	56	393740	104.524	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	373484	102.636	ug/l	98
36) 1,1-Dichloropropene	8.11	75	335578	108.205	ug/l	99
37) Ethyl Acetate	7.30	43	143054	117.282	ug/l	96
38) Carbon Tetrachloride	8.10	117	346441	104.717	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042220\
 Data File : VD065667.D
 Acq On : 22 Apr 2020 15:33
 Operator : VA/SY
 Sample : VSTDICC100
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 4/23/2020 1:31:45 PM

Quant Time: Apr 23 03:49:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042220S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 23 03:30:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	419770	117.233	ug/l	97
40) Benzene	8.36	78	938688	105.738	ug/l	99
41) Methacrylonitrile	7.53	41	70945	110.310	ug/l	88
42) 1,2-Dichloroethane	8.43	62	260117	107.348	ug/l	99
43) Isopropyl Acetate	8.46	43	259954	117.826	ug/l	100
44) Trichloroethene	9.11	130	265474	106.738	ug/l	100
45) 1,2-Dichloropropane	9.39	63	231196	106.537	ug/l	97
46) Dibromomethane	9.48	93	121498	108.215	ug/l	99
47) Bromodichloromethane	9.67	83	315488	105.811	ug/l	98
48) Methyl methacrylate	9.46	41	125558	119.077	ug/l	98
49) 1,4-Dioxane	9.47	88	30588	2469.600	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	682388	610.608	ug/l	99
52) Toluene	10.41	92	609218	111.191	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	308934	114.164	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	369057	111.510	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	170143	108.293	ug/l	98
56) Ethyl methacrylate	10.67	69	217914	129.251	ug/l	95
57) 1,3-Dichloropropane	10.95	76	295063	110.278	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	511292	573.634	ug/l	100
59) 2-Hexanone	10.99	43	468905	618.405	ug/l	97
60) Dibromochloromethane	11.14	129	224678	107.645	ug/l	100
61) 1,2-Dibromoethane	11.25	107	163590	107.631	ug/l	99
64) Tetrachloroethene	10.88	164	229027	107.229	ug/l	99
65) Chlorobenzene	11.67	112	633533	106.883	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	242374	106.997	ug/l	98
67) Ethyl Benzene	11.75	91	1146601	113.205	ug/l	99
68) m/p-Xylenes	11.86	106	894179	228.225	ug/l	100
69) o-Xylene	12.18	106	398703	116.816	ug/l	100
70) Styrene	12.20	104	710418	117.464	ug/l	100
71) Bromoform	12.37	173	139356	109.842	ug/l #	97
73) Isopropylbenzene	12.48	105	1086960	116.729	ug/l	100
74) N-amyl acetate	12.30	43	242439	123.579	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	183618	108.930	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	122967m	102.069	ug/l	
77) Bromobenzene	12.77	156	267497	108.536	ug/l	98
78) n-propylbenzene	12.83	91	1285860	114.119	ug/l	100
79) 2-Chlorotoluene	12.91	91	707935	110.441	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	901147	114.568	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	65737	116.528	ug/l	95
82) 4-Chlorotoluene	13.01	91	744180	107.831	ug/l	99
83) tert-Butylbenzene	13.23	119	774172	117.500	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	901586	115.075	ug/l	99
85) sec-Butylbenzene	13.41	105	1085893	115.086	ug/l	100
86) p-Isopropyltoluene	13.53	119	1011296	114.088	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	511260	105.450	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	496396	103.018	ug/l	100
89) n-Butylbenzene	13.86	91	913594	113.727	ug/l	100
90) Hexachloroethane	14.12	117	192815	103.424	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	443340	106.936	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	29380	114.909	ug/l	84

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042220\
 Data File : VD065667.D
 Acq On : 22 Apr 2020 15:33
 Operator : VA/SY
 Sample : VSTDICC100
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 4/23/2020 1:31:45 PM

Quant Time: Apr 23 03:49:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042220S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 23 03:30:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	320035	112.586	ug/l	99
94) Hexachlorobutadiene	15.28	225	206378	105.372	ug/l	99
95) Naphthalene	15.41	128	539198	129.350	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	280128	112.084	ug/l	99

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

