

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121119\
 Data File : VD064495.D
 Acq On : 11 Dec 2019 12:25
 Operator : VA/SY
 Sample : VD1211SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1211SBS01

Manual Integrations
 APPROVED

apatel
 12/12/2019 10:29:03 AM

Quant Time: Dec 12 03:14:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	419255	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	619084	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	555982	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	263558	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	205154	54.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.12%	
35) Dibromofluoromethane	7.92	113	214807	55.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.14%	
50) Toluene-d8	10.34	98	839166	57.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.22%	
62) 4-Bromofluorobenzene	12.64	95	260002	55.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	80334	21.147	ug/l	97
3) Chloromethane	2.21	50	104092	21.725	ug/l	98
4) Vinyl Chloride	2.35	62	118739	21.463	ug/l	99
5) Bromomethane	2.76	94	84360	20.620	ug/l	89
6) Chloroethane	2.92	64	82002	22.176	ug/l	94
7) Trichlorofluoromethane	3.27	101	204235	22.207	ug/l	99
8) Diethyl Ether	3.70	74	39100	20.459	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	88559	22.458	ug/l	96
10) Methyl Iodide	4.30	142	81438	19.556	ug/l	96
11) Tert butyl alcohol	5.24	59	22332	92.448	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	79861	21.133	ug/l	93
13) Acrolein	3.92	56	27034	82.049	ug/l	97
14) Allyl chloride	4.71	41	124467	21.105	ug/l	98
15) Acrylonitrile	5.43	53	79264	94.846	ug/l	99
16) Acetone	4.17	43	73722	96.134	ug/l	95
17) Carbon Disulfide	4.40	76	256445	21.427	ug/l	99
18) Methyl Acetate	4.72	43	42127	18.833	ug/l	96
19) Methyl tert-butyl Ether	5.49	73	170971	19.724	ug/l	97
20) Methylene Chloride	4.96	84	98638	22.905	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	92790	21.707	ug/l	94
22) Diisopropyl ether	6.37	45	243511	20.916	ug/l	96
23) Vinyl Acetate	6.31	43	668957	97.464	ug/l	98
24) 1,1-Dichloroethane	6.26	63	151261	21.604	ug/l	99
25) 2-Butanone	7.23	43	102353	94.377	ug/l	96
26) 2,2-Dichloropropane	7.21	77	136955	22.492	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	97546	20.931	ug/l	97
28) Bromochloromethane	7.55	49	42204	17.638	ug/l	96
29) Tetrahydrofuran	7.57	42	62925	91.197	ug/l	98
30) Chloroform	7.71	83	154899	21.362	ug/l	98
31) Cyclohexane	7.98	56	146453	21.327	ug/l #	90
32) 1,1,1-Trichloroethane	7.90	97	146611	21.808	ug/l	99
36) 1,1-Dichloropropene	8.11	75	125025	21.351	ug/l	99
37) Ethyl Acetate	7.30	43	47992	19.315	ug/l	99
38) Carbon Tetrachloride	8.09	117	136855	22.144	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121119\
 Data File : VD064495.D
 Acq On : 11 Dec 2019 12:25
 Operator : VA/SY
 Sample : VD1211SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1211SBS01

Manual Integrations
 APPROVED

apatel
 12/12/2019 10:29:03 AM

Quant Time: Dec 12 03:14:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	152099	20.940	ug/l	98
40) Benzene	8.35	78	338773	20.830	ug/l	98
41) Methacrylonitrile	7.53	41	27977	19.634	ug/l	90
42) 1,2-Dichloroethane	8.43	62	96508	20.348	ug/l	98
43) Isopropyl Acetate	8.46	43	90505	18.526	ug/l	98
44) Trichloroethene	9.11	130	98681	20.143	ug/l	95
45) 1,2-Dichloropropane	9.38	63	81494	20.952	ug/l	100
46) Dibromomethane	9.47	93	44227	20.146	ug/l	98
47) Bromodichloromethane	9.66	83	118429	20.995	ug/l	100
48) Methyl methacrylate	9.46	41	41940	18.761	ug/l	95
49) 1,4-Dioxane	9.47	88	10427	384.640	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	221247	91.529	ug/l	100
52) Toluene	10.40	92	224103	21.143	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	107729	20.040	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	131714	20.625	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	60185	20.022	ug/l	94
56) Ethyl methacrylate	10.66	69	70660	18.430	ug/l	99
57) 1,3-Dichloropropane	10.94	76	104164	20.357	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	158964	104.010	ug/l	98
59) 2-Hexanone	10.98	43	150092	89.485	ug/l	99
60) Dibromochloromethane	11.14	129	81790	20.068	ug/l	99
61) 1,2-Dibromoethane	11.25	107	57011	18.995	ug/l	99
64) Tetrachloroethene	10.87	164	87303	20.591	ug/l	97
65) Chlorobenzene	11.67	112	233993	20.179	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	88170	20.540	ug/l	98
67) Ethyl Benzene	11.74	91	419811	20.348	ug/l	99
68) m/p-Xylenes	11.86	106	324144	41.204	ug/l	99
69) o-Xylene	12.18	106	145449	20.019	ug/l	98
70) Styrene	12.20	104	253227	20.057	ug/l	99
71) Bromoform	12.36	173	47013	18.305	ug/l #	99
73) Isopropylbenzene	12.48	105	404664	21.348	ug/l	100
74) N-amyl acetate	12.29	43	81400	18.921	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.73	83	60289	19.233	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	43696m	20.160	ug/l	
77) Bromobenzene	12.76	156	99992	21.361	ug/l	97
78) n-propylbenzene	12.82	91	472312	21.596	ug/l	100
79) 2-Chlorotoluene	12.91	91	255010	21.190	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	330762	21.353	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	19740	19.859	ug/l	98
82) 4-Chlorotoluene	13.01	91	271131	21.279	ug/l	100
83) tert-Butylbenzene	13.23	119	292166	21.695	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	326475	20.960	ug/l	99
85) sec-Butylbenzene	13.41	105	393389	21.284	ug/l	100
86) p-Isopropyltoluene	13.52	119	367278	21.048	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	185629	20.894	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	183862	20.961	ug/l	100
89) n-Butylbenzene	13.85	91	336241	21.219	ug/l	98
90) Hexachloroethane	14.12	117	71722	21.975	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	155746	20.512	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10161	18.976	ug/l	88

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121119\
Data File : VD064495.D
Acq On : 11 Dec 2019 12:25
Operator : VA/SY
Sample : VD1211SBS01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1211SBS01

Manual Integrations
APPROVED

apatel
12/12/2019 10:29:03 AM

Quant Time: Dec 12 03:14:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 29 07:18:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	120085	20.651	ug/l	97
94) Hexachlorobutadiene	15.28	225	76163	21.217	ug/l	97
95) Naphthalene	15.41	128	176287	18.166	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	99827	20.112	ug/l	99

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

