

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081920\
 Data File : VD066314.D
 Acq On : 19 Aug 2020 13:11
 Operator : VA/SY
 Sample : VD0819SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/20/2020 3:36:52 PM

Quant Time: Aug 19 16:12:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	24675	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	36212	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	41982	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	24207	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	22135	100.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	201.10%	
35) Dibromofluoromethane	7.91	113	15244	66.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	132.90%	
50) Toluene-d8	10.34	98	45473	53.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.44%	
62) 4-Bromofluorobenzene	12.64	95	20175	66.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	132.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	4392	20.203	ug/l	98
3) Chloromethane	2.20	50	3274	19.360	ug/l	99
4) Vinyl Chloride	2.35	62	3570	23.845	ug/l #	83
5) Bromomethane	2.77	94	3165	31.863	ug/l #	61
6) Chloroethane	2.92	64	2057	22.382	ug/l #	63
7) Trichlorofluoromethane	3.27	101	8189	20.980	ug/l	85
8) Diethyl Ether	3.71	74	4848	44.018	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	4.10	101	4997	21.572	ug/l	98
10) Methyl Iodide	4.30	142	5947	31.125	ug/l #	95
11) Tert butyl alcohol	5.21	59	9746	654.331	ug/l #	83
12) 1,1-Dichloroethene	4.07	96	4836	22.130	ug/l	83
13) Acrolein	3.91	56	4162	237.522	ug/l	98
14) Allyl chloride	4.71	41	7491	22.627	ug/l #	76
15) Acrylonitrile	5.42	53	21797	469.658	ug/l	93
16) Acetone	4.16	43	22548	539.818	ug/l	95
17) Carbon Disulfide	4.40	76	12179m	17.529	ug/l	
18) Methyl Acetate	4.71	43	10838	102.152	ug/l #	88
19) Methyl tert-butyl Ether	5.47	73	22429	44.780	ug/l #	90
20) Methylene Chloride	4.97	84	8706	34.883	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	5472	21.798	ug/l	92
22) Diisopropyl ether	6.36	45	18280	27.922	ug/l #	87
23) Vinyl Acetate	6.30	43	87552	228.277	ug/l	97
24) 1,1-Dichloroethane	6.27	63	10234	25.260	ug/l #	84
25) 2-Butanone	7.21	43	30621	498.426	ug/l #	89
26) 2,2-Dichloropropane	7.20	77	8774	24.162	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	6871	26.095	ug/l	97
28) Bromochloromethane	7.54	49	5315	37.351	ug/l	98
29) Tetrahydrofuran	7.57	42	18395	483.275	ug/l	97
30) Chloroform	7.71	83	11593	27.250	ug/l	97
31) Cyclohexane	7.97	56	6911	17.919	ug/l #	72
32) 1,1,1-Trichloroethane	7.90	97	9001	22.565	ug/l	98
36) 1,1-Dichloropropene	8.11	75	6850	20.130	ug/l	97
37) Ethyl Acetate	7.30	43	11306	83.857	ug/l #	85
38) Carbon Tetrachloride	8.10	117	7801	20.558	ug/l #	76

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081920\
 Data File : VD066314.D
 Acq On : 19 Aug 2020 13:11
 Operator : VA/SY
 Sample : VD0819SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0819SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/20/2020 3:36:52 PM

Quant Time: Aug 19 16:12:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	6859	16.674	ug/l	98
40) Benzene	8.35	78	21155	22.411	ug/l #	89
41) Methacrylonitrile	7.52	41	6193m	78.123	ug/l	
42) 1,2-Dichloroethane	8.43	62	11272	40.647	ug/l	100
43) Isopropyl Acetate	8.44	43	17072	64.266	ug/l	92
44) Trichloroethene	9.10	130	6058	21.297	ug/l	92
45) 1,2-Dichloropropane	9.38	63	6273	27.171	ug/l	98
46) Dibromomethane	9.47	93	5568	43.784	ug/l	92
47) Bromodichloromethane	9.66	83	10470	31.151	ug/l #	86
48) Methyl methacrylate	9.46	41	8450	62.296	ug/l	90
49) 1,4-Dioxane	9.46	88	3513	2150.192	ug/l #	90
51) 4-Methyl-2-Pentanone	10.23	43	53775	394.099	ug/l	98
52) Toluene	10.40	92	14600	23.505	ug/l	96
53) t-1,3-Dichloropropene	10.62	75	11331	35.524	ug/l	90
54) cis-1,3-Dichloropropene	10.08	75	11586	31.002	ug/l #	85
55) 1,1,2-Trichloroethane	10.80	97	8049	43.955	ug/l	90
56) Ethyl methacrylate	10.66	69	11198	50.905	ug/l	97
57) 1,3-Dichloropropane	10.94	76	12833	42.213	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	26863	271.484	ug/l	99
59) 2-Hexanone	10.98	43	39102	408.319	ug/l	98
60) Dibromochloromethane	11.13	129	10139	40.105	ug/l	95
61) 1,2-Dibromoethane	11.24	107	8643	49.078	ug/l	100
64) Tetrachloroethene	10.87	164	5655	17.542	ug/l	87
65) Chlorobenzene	11.67	112	17907	21.011	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.74	131	7978	23.925	ug/l	98
67) Ethyl Benzene	11.74	91	24426	16.539	ug/l	95
68) m/p-Xylenes	11.85	106	18860	32.961	ug/l	94
69) o-Xylene	12.18	106	9527	18.303	ug/l	97
70) Styrene	12.20	104	17322	18.989	ug/l	99
71) Bromoform	12.36	173	8307	42.046	ug/l #	95
73) Isopropylbenzene	12.48	105	24933	15.430	ug/l	100
74) N-amyl acetate	12.29	43	13278	37.316	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	11679	42.387	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	9389m	46.510	ug/l	
77) Bromobenzene	12.76	156	8942	21.497	ug/l	85
78) n-propylbenzene	12.82	91	27799	14.800	ug/l	99
79) 2-Chlorotoluene	12.91	91	18438	17.163	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	20378	15.080	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.53	75	4598	50.350	ug/l	96
82) 4-Chlorotoluene	13.00	91	19817	17.474	ug/l	99
83) tert-Butylbenzene	13.23	119	16350	13.757	ug/l	90
84) 1,2,4-Trimethylbenzene	13.27	105	22780	16.844	ug/l	97
85) sec-Butylbenzene	13.40	105	24041	14.983	ug/l	97
86) p-Isopropyltoluene	13.52	119	22398	14.883	ug/l	95
87) 1,3-Dichlorobenzene	13.52	146	15993	20.457	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	16826	21.581	ug/l	99
89) n-Butylbenzene	13.85	91	20109	14.914	ug/l	98
90) Hexachloroethane	14.11	117	5028	16.752	ug/l	93
91) 1,2-Dichlorobenzene	13.89	146	15506	22.427	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	14.51	75	3163	66.792	ug/l	96

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081920\
Data File : VD066314.D
Acq On : 19 Aug 2020 13:11
Operator : VA/SY
Sample : VD0819SBSD01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBSD01

Manual Integrations
APPROVED

MMDadoda
8/20/2020 3:36:52 PM

Quant Time: Aug 19 16:12:40 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:49:25 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	12071	23.691	ug/l	99
94) Hexachlorobutadiene	15.27	225	5404	18.012	ug/l	95
95) Naphthalene	15.41	128	33119	39.893	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	12020	26.724	ug/l	96

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

