

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110420\
 Data File : VD067512.D
 Acq On : 04 Nov 2020 11:31
 Operator : VA/SY
 Sample : VD1104SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1104SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/5/2020 7:01:09 PM

Quant Time: Nov 05 01:09:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	328403	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	477390	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	439187	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	215746	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	131515	45.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.60%	
35) Dibromofluoromethane	7.92	113	134559	46.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.56%	
50) Toluene-d8	10.34	98	482458	47.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.46%	
62) 4-Bromofluorobenzene	12.64	95	172597	49.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	67058	22.747	ug/l	93
3) Chloromethane	2.21	50	44791	21.902	ug/l	96
4) Vinyl Chloride	2.35	62	46088	20.214	ug/l	99
5) Bromomethane	2.76	94	37213	20.137	ug/l	98
6) Chloroethane	2.93	64	29869	21.249	ug/l	97
7) Trichlorofluoromethane	3.27	101	126586	21.442	ug/l	95
8) Diethyl Ether	3.71	74	24790	20.840	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.10	101	64379	21.604	ug/l	99
10) Methyl Iodide	4.30	142	60853	19.053	ug/l	98
11) Tert butyl alcohol	5.23	59	18542m	141.036	ug/l	
12) 1,1-Dichloroethene	4.07	96	58874	21.479	ug/l	99
13) Acrolein	3.93	56	7208	78.493	ug/l	97
14) Allyl chloride	4.72	41	61168	20.851	ug/l	96
15) Acrylonitrile	5.43	53	44981	102.293	ug/l	98
16) Acetone	4.16	43	42367	98.595	ug/l	99
17) Carbon Disulfide	4.41	76	175399	20.883	ug/l	96
18) Methyl Acetate	4.72	43	17918	20.179	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	110215	20.385	ug/l	94
20) Methylene Chloride	4.97	84	66064	21.765	ug/l	95
21) trans-1,2-Dichloroethene	5.48	96	66605	20.863	ug/l	93
22) Diisopropyl ether	6.37	45	124737	21.820	ug/l	98
23) Vinyl Acetate	6.31	43	317078	105.960	ug/l	99
24) 1,1-Dichloroethane	6.27	63	94897	20.291	ug/l	97
25) 2-Butanone	7.21	43	49075	106.881	ug/l	98
26) 2,2-Dichloropropane	7.21	77	105568	21.388	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	69232	20.892	ug/l	97
28) Bromochloromethane	7.56	49	31138	18.718	ug/l	96
29) Tetrahydrofuran	7.56	42	29016	105.499	ug/l	98
30) Chloroform	7.71	83	117707	21.097	ug/l	96
31) Cyclohexane	7.99	56	86085	20.670	ug/l #	84
32) 1,1,1-Trichloroethane	7.91	97	120042	20.852	ug/l	99
36) 1,1-Dichloropropene	8.12	75	88499	21.657	ug/l	99
37) Ethyl Acetate	7.30	43	22696	21.393	ug/l	97
38) Carbon Tetrachloride	8.10	117	114988	21.658	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	104577	21.744	ug/l	97
40) Benzene	8.36	78	237701	21.474	ug/l	100
41) Methacrylonitrile	7.53	41	14665	23.125	ug/l #	80
42) 1,2-Dichloroethane	8.43	62	74040	21.649	ug/l	100
43) Isopropyl Acetate	8.46	43	44412	21.167	ug/l	97
44) Trichloroethene	9.12	130	76537	21.029	ug/l	92
45) 1,2-Dichloropropane	9.40	63	51244	21.412	ug/l	89
46) Dibromomethane	9.48	93	33326	21.901	ug/l	98
47) Bromodichloromethane	9.67	83	88355	21.363	ug/l	95
48) Methyl methacrylate	9.46	41	21761	20.087	ug/l	93
49) 1,4-Dioxane	9.47	88	7443	481.826	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	110559	110.180	ug/l	97
52) Toluene	10.41	92	162284	21.889	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	76374	21.561	ug/l	95
54) cis-1,3-Dichloropropene	10.10	75	88289	20.978	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	42748	21.232	ug/l	96
56) Ethyl methacrylate	10.66	69	43343	20.847	ug/l	99
57) 1,3-Dichloropropane	10.95	76	69025	21.305	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	100636	103.796	ug/l	98
59) 2-Hexanone	10.99	43	75137	107.093	ug/l	97
60) Dibromochloromethane	11.14	129	64843	21.772	ug/l	99
61) 1,2-Dibromoethane	11.26	107	41911	20.741	ug/l	95
64) Tetrachloroethene	10.88	164	69817	21.465	ug/l	96
65) Chlorobenzene	11.68	112	175384	20.731	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	71778	21.527	ug/l	98
67) Ethyl Benzene	11.75	91	311805	21.539	ug/l	95
68) m/p-Xylenes	11.86	106	241719	42.918	ug/l	98
69) o-Xylene	12.18	106	109353	21.747	ug/l	98
70) Styrene	12.20	104	189022	21.573	ug/l	98
71) Bromoform	12.37	173	36574	21.507	ug/l #	100
73) Isopropylbenzene	12.48	105	308352	22.115	ug/l	99
74) N-amyl acetate	12.29	43	38012	20.718	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	42730	22.474	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	30963m	23.790	ug/l	
77) Bromobenzene	12.77	156	72658	21.218	ug/l	98
78) n-propylbenzene	12.83	91	355186	22.271	ug/l	99
79) 2-Chlorotoluene	12.91	91	201218	22.210	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	267082	22.423	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	13886	21.661	ug/l	95
82) 4-Chlorotoluene	13.01	91	218345	22.472	ug/l	99
83) tert-Butylbenzene	13.23	119	225211	22.310	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	262833	22.168	ug/l	99
85) sec-Butylbenzene	13.41	105	305017	22.383	ug/l	99
86) p-Isopropyltoluene	13.52	119	296244	22.512	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	146623	22.440	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	141400	21.372	ug/l	98
89) n-Butylbenzene	13.85	91	243722	21.442	ug/l	99
90) Hexachloroethane	14.11	117	53073	21.416	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	123753	21.884	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7799	23.167	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	83195	21.676	ug/l	99
94) Hexachlorobutadiene	15.27	225	53175	20.701	ug/l	97
95) Naphthalene	15.41	128	128744	21.736	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	71772	21.837	ug/l	100

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

