

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120220\
 Data File : VD067837.D
 Acq On : 02 Dec 2020 15:48
 Operator : VA/SY
 Sample : VD1202SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1202SBS01

Manual Integrations
 APPROVED

MMDadoda
 12/3/2020 9:56:34 AM

Quant Time: Dec 03 01:39:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 02 08:05:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	243447	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	351276	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	327903	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	181434	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	124909	47.79	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.58%
35) Dibromofluoromethane	7.92	113	114333	48.64	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.28%
50) Toluene-d8	10.34	98	421844	49.85	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	99.70%
62) 4-Bromofluorobenzene	12.64	95	156159	53.38	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	106.76%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	41535	19.604	ug/l	97
3) Chloromethane	2.21	50	19363	15.836	ug/l	95
4) Vinyl Chloride	2.36	62	30297	19.674	ug/l	99
5) Bromomethane	2.76	94	40733	29.631	ug/l	85
6) Chloroethane	2.92	64	20811	20.757	ug/l	94
7) Trichlorofluoromethane	3.28	101	94613	20.079	ug/l	90
8) Diethyl Ether	3.71	74	17915	19.506	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.10	101	42845	19.940	ug/l	98
10) Methyl Iodide	4.30	142	25113	11.026	ug/l #	61
11) Tert butyl alcohol	5.19	59	20450m	123.044	ug/l	
12) 1,1-Dichloroethene	4.07	96	40256	19.955	ug/l #	77
13) Acrolein	3.93	56	8259	82.234	ug/l #	56
14) Allyl chloride	4.71	41	36739	19.686	ug/l	96
15) Acrylonitrile	5.43	53	30070	94.423	ug/l	98
16) Acetone	4.16	43	27779	86.017	ug/l	94
17) Carbon Disulfide	4.41	76	109650	19.468	ug/l	98
18) Methyl Acetate	4.71	43	11543	18.588	ug/l	93
19) Methyl tert-butyl Ether	5.47	73	86827	20.100	ug/l	100
20) Methylene Chloride	4.97	84	48541	20.805	ug/l	93
21) trans-1,2-Dichloroethene	5.48	96	45052	19.626	ug/l	94
22) Diisopropyl ether	6.36	45	77691	20.698	ug/l #	93
23) Vinyl Acetate	6.31	43	218684	104.728	ug/l	93
24) 1,1-Dichloroethane	6.27	63	68631	20.859	ug/l	95
25) 2-Butanone	7.21	43	33052	97.304	ug/l	89
26) 2,2-Dichloropropane	7.21	77	82575	21.046	ug/l	97
27) cis-1,2-Dichloroethene	7.22	96	49890	19.870	ug/l	97
28) Bromochloromethane	7.55	49	18704	17.904	ug/l	92
29) Tetrahydrofuran	7.57	42	19870	102.736	ug/l	97
30) Chloroform	7.71	83	85994	19.557	ug/l	99
31) Cyclohexane	7.99	56	57615	20.924	ug/l	93
32) 1,1,1-Trichloroethane	7.91	97	94774	20.418	ug/l	99
36) 1,1-Dichloropropene	8.11	75	62287	20.483	ug/l	99
37) Ethyl Acetate	7.30	43	15250	18.607	ug/l #	80
38) Carbon Tetrachloride	8.10	117	92349	20.071	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	73450	20.382	ug/l	95
40) Benzene	8.36	78	165286	19.864	ug/l	100
41) Methacrylonitrile	7.53	41	7246	15.531	ug/l #	78
42) 1,2-Dichloroethane	8.43	62	58109	19.594	ug/l	99
43) Isopropyl Acetate	8.45	43	31364	19.449	ug/l #	81
44) Trichloroethene	9.12	130	57012	19.928	ug/l	98
45) 1,2-Dichloropropane	9.39	63	34695	20.315	ug/l	94
46) Dibromomethane	9.48	93	23907	20.134	ug/l	97
47) Bromodichloromethane	9.67	83	66293	19.584	ug/l	96
48) Methyl methacrylate	9.46	41	15221	18.588	ug/l	99
49) 1,4-Dioxane	9.46	88	5289	389.814	ug/l	91
51) 4-Methyl-2-Pentanone	10.23	43	72617	95.143	ug/l	100
52) Toluene	10.41	92	121249	20.842	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	58858	20.145	ug/l	94
54) cis-1,3-Dichloropropene	10.10	75	65192	20.513	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	31981	19.681	ug/l	91
56) Ethyl methacrylate	10.66	69	30522	18.461	ug/l	99
57) 1,3-Dichloropropane	10.95	76	49014	19.042	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.95	63	60939	81.001	ug/l	99
59) 2-Hexanone	10.99	43	48837	90.768	ug/l	100
60) Dibromochloromethane	11.14	129	50013	20.417	ug/l	99
61) 1,2-Dibromoethane	11.25	107	31588	19.767	ug/l	96
64) Tetrachloroethene	10.88	164	52923	19.787	ug/l	90
65) Chlorobenzene	11.67	112	133785	19.773	ug/l	91
66) 1,1,1,2-Tetrachloroethane	11.74	131	54795	19.856	ug/l	95
67) Ethyl Benzene	11.75	91	236311	20.503	ug/l	100
68) m/p-Xylenes	11.86	106	187926	41.351	ug/l	97
69) o-Xylene	12.18	106	84796	21.017	ug/l	98
70) Styrene	12.20	104	146086	20.823	ug/l	99
71) Bromoform	12.37	173	28986	19.843	ug/l #	98
73) Isopropylbenzene	12.48	105	242017	19.397	ug/l	99
74) N-amyl acetate	12.29	43	27451	17.786	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	28111	17.065	ug/l	94
76) 1,2,3-Trichloropropane	12.78	75	22692m	17.175	ug/l	
77) Bromobenzene	12.76	156	57491	18.534	ug/l	97
78) n-propylbenzene	12.83	91	263878	19.081	ug/l	99
79) 2-Chlorotoluene	12.91	91	153144	18.824	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	209832	19.424	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	9974	18.058	ug/l	95
82) 4-Chlorotoluene	13.01	91	165401	19.059	ug/l	100
83) tert-Butylbenzene	13.23	119	179796	19.558	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	209118	19.467	ug/l	99
85) sec-Butylbenzene	13.41	105	237215	19.334	ug/l	98
86) p-Isopropyltoluene	13.52	119	229029	19.046	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	112068	18.729	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	109796	18.342	ug/l	99
89) n-Butylbenzene	13.85	91	191320	19.151	ug/l	99
90) Hexachloroethane	14.11	117	40282	18.144	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	98093	18.902	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.50	75	5987	17.415	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	67926	18.712	ug/l	99
94) Hexachlorobutadiene	15.27	225	44295	18.700	ug/l	97
95) Naphthalene	15.40	128	104017	17.609	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	57430	18.320	ug/l	99

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

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