

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120920\
 Data File : VD067920.D
 Acq On : 09 Dec 2020 11:37
 Operator : VA/SY
 Sample : VD1209SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1209SBS01

Manual Integrations
 APPROVED

Quant Time: Dec 10 03:33:15 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	201452	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	284665	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	259827	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	136044	50.00	ug/l	0.00

System Monitoring Compounds

MMDadoda

33) 1,2-Dichloroethane-d4	8.34	65	99233	45.88	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.76%
35) Dibromofluoromethane	7.92	113	88101	46.25	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.50%
50) Toluene-d8	10.34	98	319664	46.62	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	93.24%
62) 4-Bromofluorobenzene	12.64	95	119797	50.53	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	101.06%

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Target Compounds

Qvalue

2) Dichlorodifluoromethane	1.99	85	32556	18.570	ug/l	95
3) Chloromethane	2.21	50	18546	18.330	ug/l	92
4) Vinyl Chloride	2.36	62	23357	18.330	ug/l	95
5) Bromomethane	2.77	94	24481	21.521	ug/l	95
6) Chloroethane	2.93	64	17258	20.801	ug/l	99
7) Trichlorofluoromethane	3.28	101	76945	19.733	ug/l	96
8) Diethyl Ether	3.71	74	15755	20.730	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	4.10	101	35500	19.965	ug/l	97
10) Methyl Iodide	4.30	142	32147	17.057	ug/l	96
11) Tert butyl alcohol	5.21	59	15726m	109.080	ug/l	
12) 1,1-Dichloroethene	4.07	96	31495	18.867	ug/l	95
13) Acrolein	3.92	56	5357	64.458	ug/l	100
14) Allyl chloride	4.73	41	28140	18.222	ug/l	90
15) Acrylonitrile	5.42	53	24737	93.870	ug/l	94
16) Acetone	4.16	43	21227	79.430	ug/l #	84
17) Carbon Disulfide	4.41	76	82700	17.744	ug/l	98
18) Methyl Acetate	4.71	43	9360m	18.200	ug/l	
19) Methyl tert-butyl Ether	5.48	73	70761	19.796	ug/l	95
20) Methylene Chloride	4.98	84	41021	21.343	ug/l	94
21) trans-1,2-Dichloroethene	5.48	96	36642	19.290	ug/l	96
22) Diisopropyl ether	6.37	45	59827	19.262	ug/l	96
23) Vinyl Acetate	6.31	43	166429	96.318	ug/l	99
24) 1,1-Dichloroethane	6.27	63	53166	19.527	ug/l	98
25) 2-Butanone	7.21	43	24385	86.753	ug/l	89
26) 2,2-Dichloropropane	7.21	77	65840	20.279	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	40922	19.696	ug/l	97
28) Bromochloromethane	7.54	49	15314	17.715	ug/l	96
29) Tetrahydrofuran	7.57	42	14149	88.406	ug/l	93
30) Chloroform	7.71	83	70266	19.311	ug/l	92
31) Cyclohexane	7.99	56	40762	17.890	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	78031	20.316	ug/l	97
36) 1,1-Dichloropropene	8.11	75	48478	19.672	ug/l	96
37) Ethyl Acetate	7.30	43	12651	19.048	ug/l	96
38) Carbon Tetrachloride	8.10	117	77235	20.714	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	55280	18.929	ug/l	98
40) Benzene	8.36	78	132267	19.615	ug/l	98
41) Methacrylonitrile	7.53	41	7066m	19.689	ug/l	
42) 1,2-Dichloroethane	8.43	62	48444	20.158	ug/l	99
43) Isopropyl Acetate	8.46	43	23910	18.296	ug/l	97
44) Trichloroethene	9.11	130	46231	19.941	ug/l	99 MMDadoda
45) 1,2-Dichloropropane	9.38	63	24875	17.974	ug/l	98
46) Dibromomethane	9.48	93	19294	20.051	ug/l	97
47) Bromodichloromethane	9.67	83	55309	20.162	ug/l	100
48) Methyl methacrylate	9.46	41	11682	17.604	ug/l	94
49) 1,4-Dioxane	9.47	88	3794	345.061	ug/l	90 12/10/2020 10:19:29 AM
51) 4-Methyl-2-Pentanone	10.23	43	56659	91.606	ug/l	98
52) Toluene	10.41	92	94962	20.143	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	46070	19.458	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	50236	19.506	ug/l	90
55) 1,1,2-Trichloroethane	10.81	97	23876	18.131	ug/l	94
56) Ethyl methacrylate	10.67	69	24717	18.448	ug/l	99
57) 1,3-Dichloropropane	10.95	76	38584	18.497	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.95	63	52252	85.706	ug/l	92
59) 2-Hexanone	10.99	43	38463	88.215	ug/l	97
60) Dibromochloromethane	11.14	129	39925	20.113	ug/l	97
61) 1,2-Dibromoethane	11.25	107	24662	19.044	ug/l	96
64) Tetrachloroethene	10.88	164	42903	20.243	ug/l	88
65) Chlorobenzene	11.67	112	107796	20.107	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	43665	19.969	ug/l	96
67) Ethyl Benzene	11.75	91	184927	20.249	ug/l	100
68) m/p-Xylenes	11.86	106	151377	42.036	ug/l	97
69) o-Xylene	12.18	106	67562	21.133	ug/l	100
70) Styrene	12.20	104	115931	20.854	ug/l	98
71) Bromoform	12.37	173	22820	19.715	ug/l #	93
73) Isopropylbenzene	12.48	105	191127	20.429	ug/l	99
74) N-amyl acetate	12.29	43	20766	17.944	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	22345	18.090	ug/l	95
76) 1,2,3-Trichloropropane	12.78	75	18535m	18.709	ug/l	
77) Bromobenzene	12.77	156	47138	20.267	ug/l	98
78) n-propylbenzene	12.83	91	213027	20.544	ug/l	99
79) 2-Chlorotoluene	12.91	91	121078	19.848	ug/l	96
80) 1,3,5-Trimethylbenzene	12.97	105	170927	21.102	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	7717	18.633	ug/l	95
82) 4-Chlorotoluene	13.01	91	135297	20.792	ug/l	100
83) tert-Butylbenzene	13.23	119	148198	21.500	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	168084	20.868	ug/l	98
85) sec-Butylbenzene	13.41	105	188163	20.452	ug/l	99
86) p-Isopropyltoluene	13.52	119	187895	20.839	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	93100	20.750	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	88891	19.804	ug/l	98
89) n-Butylbenzene	13.85	91	151750	20.258	ug/l	99
90) Hexachloroethane	14.11	117	33883	20.354	ug/l	94
91) 1,2-Dichlorobenzene	13.89	146	78133	20.079	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.51	75	4745	18.407	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	57862	21.258	ug/l	96
94) Hexachlorobutadiene	15.27	225	37453	21.087	ug/l	98
95) Naphthalene	15.40	128	87831	19.830	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	49918	21.236	ug/l	98

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

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