

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120220\
 Data File : VD067838.D
 Acq On : 02 Dec 2020 16:27
 Operator : VA/SY
 Sample : VD1202SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1202SBS01

Manual Integrations
 APPROVED

MMDadoda
 12/3/2020 9:56:36 AM

Quant Time: Dec 03 01:41:33 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	238696	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	356663	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	334131	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	178007	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	124885	48.74	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.48%
35) Dibromofluoromethane	7.91	113	114529	47.99	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.98%
50) Toluene-d8	10.34	98	419411	48.82	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	97.64%
62) 4-Bromofluorobenzene	12.64	95	157875	53.15	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	106.30%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	42010	20.223	ug/l	96
3) Chloromethane	2.21	50	21183	17.669	ug/l	90
4) Vinyl Chloride	2.35	62	30035	19.893	ug/l	96
5) Bromomethane	2.76	94	39284	29.145	ug/l	91
6) Chloroethane	2.93	64	20744	21.102	ug/l	98
7) Trichlorofluoromethane	3.28	101	88755	19.210	ug/l	97
8) Diethyl Ether	3.71	74	17607	19.552	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.10	101	41906	19.891	ug/l	99
10) Methyl Iodide	4.30	142	27397	12.269	ug/l	97
11) Tert butyl alcohol	5.20	59	21343	135.773	ug/l #	80
12) 1,1-Dichloroethene	4.07	96	40174	20.311	ug/l	83
13) Acrolein	3.92	56	7937	80.601	ug/l	87
14) Allyl chloride	4.71	41	38536	21.060	ug/l	97
15) Acrylonitrile	5.41	53	30924	99.038	ug/l	99
16) Acetone	4.15	43	28906	91.288	ug/l #	67
17) Carbon Disulfide	4.41	76	108468	19.641	ug/l	100
18) Methyl Acetate	4.72	43	12222	20.132	ug/l #	87
19) Methyl tert-butyl Ether	5.47	73	87444	20.646	ug/l #	91
20) Methylene Chloride	4.97	84	49389	21.759	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	45933	20.408	ug/l #	88
22) Diisopropyl ether	6.36	45	78743	21.396	ug/l	97
23) Vinyl Acetate	6.30	43	222401	108.628	ug/l	94
24) 1,1-Dichloroethane	6.27	63	65771	20.387	ug/l	99
25) 2-Butanone	7.21	43	33541	100.708	ug/l	94
26) 2,2-Dichloropropane	7.21	77	78491	20.403	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	51457	20.902	ug/l	99
28) Bromochloromethane	7.55	49	21170	20.668	ug/l	91
29) Tetrahydrofuran	7.56	42	19932	105.108	ug/l	97
30) Chloroform	7.71	83	87608	20.321	ug/l	98
31) Cyclohexane	7.98	56	53014	19.637	ug/l #	93
32) 1,1,1-Trichloroethane	7.90	97	91509	20.107	ug/l	100
36) 1,1-Dichloropropene	8.11	75	61431	19.896	ug/l	98
37) Ethyl Acetate	7.29	43	15364	18.463	ug/l #	81
38) Carbon Tetrachloride	8.10	117	90615	19.397	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	71683	19.591	ug/l	96
40) Benzene	8.36	78	166790	19.742	ug/l	99
41) Methacrylonitrile	7.51	41	7673m	16.409	ug/l	
42) 1,2-Dichloroethane	8.43	62	60338	20.038	ug/l	99
43) Isopropyl Acetate	8.46	43	31317	19.126	ug/l #	57
44) Trichloroethene	9.12	130	57001	19.623	ug/l	96
45) 1,2-Dichloropropane	9.39	63	31859	18.373	ug/l	89
46) Dibromomethane	9.48	93	23303	19.329	ug/l	95
47) Bromodichloromethane	9.66	83	67811	19.729	ug/l	99
48) Methyl methacrylate	9.46	41	14328	17.233	ug/l	96
49) 1,4-Dioxane	9.47	88	4827	350.390	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	76417	98.610	ug/l	98
52) Toluene	10.41	92	117232	19.847	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	57937	19.530	ug/l	95
54) cis-1,3-Dichloropropene	10.09	75	64914	20.117	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	30804	18.670	ug/l	95
56) Ethyl methacrylate	10.66	69	30737	18.310	ug/l	95
57) 1,3-Dichloropropane	10.95	76	50507	19.325	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	65302	85.489	ug/l	96
59) 2-Hexanone	10.99	43	51180	93.686	ug/l	99
60) Dibromochloromethane	11.14	129	50537	20.320	ug/l	94
61) 1,2-Dibromoethane	11.25	107	31873	19.644	ug/l	95
64) Tetrachloroethene	10.88	164	49735	18.248	ug/l	96
65) Chlorobenzene	11.67	112	134224	19.469	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	54881	19.517	ug/l	95
67) Ethyl Benzene	11.75	91	227149	19.341	ug/l	99
68) m/p-Xylenes	11.86	106	184119	39.758	ug/l	98
69) o-Xylene	12.18	106	81731	19.880	ug/l	99
70) Styrene	12.20	104	146230	20.455	ug/l	98
71) Bromoform	12.37	173	28450	19.113	ug/l #	95
73) Isopropylbenzene	12.48	105	230912	18.863	ug/l	98
74) N-amyl acetate	12.29	43	26692	17.628	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.73	83	29925	18.516	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	23779m	18.344	ug/l	
77) Bromobenzene	12.77	156	56472	18.556	ug/l	94
78) n-propylbenzene	12.83	91	257022	18.943	ug/l	99
79) 2-Chlorotoluene	12.91	91	153159	19.188	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	204249	19.271	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	9210	16.995	ug/l	97
82) 4-Chlorotoluene	13.01	91	164067	19.269	ug/l	97
83) tert-Butylbenzene	13.23	119	177840	19.718	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	206538	19.597	ug/l	100
85) sec-Butylbenzene	13.40	105	222145	18.454	ug/l	100
86) p-Isopropyltoluene	13.52	119	220667	18.704	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	111260	18.952	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	110784	18.863	ug/l	98
89) n-Butylbenzene	13.84	91	182014	18.570	ug/l	99
90) Hexachloroethane	14.11	117	39922	18.328	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	95030	18.664	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	6222	18.447	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	67299	18.896	ug/l	99
94) Hexachlorobutadiene	15.27	225	42733	18.388	ug/l	97
95) Naphthalene	15.41	128	105403	18.187	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	56285	18.300	ug/l	97

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

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