

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110420\
 Data File : VD067511.D
 Acq On : 04 Nov 2020 11:05
 Operator : VA/SY
 Sample : VD1104SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1104SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/5/2020 7:01:06 PM

Quant Time: Nov 05 01:07:50 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	327778	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	483950	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	439673	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	215406	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	136589	47.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.32%	
35) Dibromofluoromethane	7.92	113	140455	48.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.34%	
50) Toluene-d8	10.34	98	498308	48.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.26%	
62) 4-Bromofluorobenzene	12.64	95	176667	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	65789	22.273	ug/l	99
3) Chloromethane	2.21	50	45991	22.532	ug/l	99
4) Vinyl Chloride	2.35	62	49132	21.590	ug/l	98
5) Bromomethane	2.77	94	37624	20.398	ug/l	97
6) Chloroethane	2.92	64	30140	21.483	ug/l	99
7) Trichlorofluoromethane	3.27	101	122152	20.731	ug/l	95
8) Diethyl Ether	3.71	74	23238	19.572	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.10	101	63007	21.184	ug/l	98
10) Methyl Iodide	4.30	142	60166	18.874	ug/l	99
11) Tert butyl alcohol	5.21	59	15811	117.292	ug/l #	93
12) 1,1-Dichloroethene	4.07	96	56409	20.619	ug/l	97
13) Acrolein	3.93	56	6140	71.145	ug/l	91
14) Allyl chloride	4.71	41	60014	20.497	ug/l	97
15) Acrylonitrile	5.42	53	42769	97.448	ug/l	98
16) Acetone	4.17	43	39007	90.949	ug/l	96
17) Carbon Disulfide	4.41	76	173706	20.721	ug/l	99
18) Methyl Acetate	4.71	43	16868	19.032	ug/l	95
19) Methyl tert-butyl Ether	5.48	73	107766	19.970	ug/l	100
20) Methylene Chloride	4.96	84	65285	21.549	ug/l	93
21) trans-1,2-Dichloroethene	5.48	96	65998	20.712	ug/l	96
22) Diisopropyl ether	6.36	45	119536	20.950	ug/l	96
23) Vinyl Acetate	6.31	43	303833	101.728	ug/l	100
24) 1,1-Dichloroethane	6.27	63	96010	20.568	ug/l #	92
25) 2-Butanone	7.21	43	42739	93.260	ug/l	100
26) 2,2-Dichloropropane	7.21	77	103279	20.964	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	68072	20.582	ug/l	98
28) Bromochloromethane	7.55	49	32373	19.497	ug/l	98
29) Tetrahydrofuran	7.56	42	26683	97.202	ug/l	94
30) Chloroform	7.71	83	117944	21.179	ug/l	91
31) Cyclohexane	7.99	56	84013	20.211	ug/l #	90
32) 1,1,1-Trichloroethane	7.90	97	121205	21.095	ug/l	98
36) 1,1-Dichloropropene	8.11	75	85920	20.741	ug/l	98
37) Ethyl Acetate	7.30	43	22257	20.695	ug/l	98
38) Carbon Tetrachloride	8.10	117	115822	21.519	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	99809	20.471	ug/l	97
40) Benzene	8.36	78	237365	21.153	ug/l	99
41) Methacrylonitrile	7.53	41	11793	18.345	ug/l	96
42) 1,2-Dichloroethane	8.43	62	72804	20.999	ug/l	100
43) Isopropyl Acetate	8.45	43	41807	19.656	ug/l	99
44) Trichloroethene	9.11	130	77615	21.036	ug/l	93
45) 1,2-Dichloropropane	9.39	63	51181	21.096	ug/l #	87
46) Dibromomethane	9.48	93	30119	19.525	ug/l	94
47) Bromodichloromethane	9.67	83	88489	21.105	ug/l	94
48) Methyl methacrylate	9.46	41	19401	17.666	ug/l	87
49) 1,4-Dioxane	9.46	88	6136	391.832	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	101700	99.978	ug/l	98
52) Toluene	10.41	92	159203	21.182	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	75544	21.038	ug/l	100
54) cis-1,3-Dichloropropene	10.10	75	88071	20.643	ug/l	94
55) 1,1,2-Trichloroethane	10.81	97	42253	20.702	ug/l	99
56) Ethyl methacrylate	10.67	69	42638	20.230	ug/l	94
57) 1,3-Dichloropropane	10.95	76	68648	20.901	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	97310	99.005	ug/l	96
59) 2-Hexanone	10.99	43	68518	96.335	ug/l	98
60) Dibromochloromethane	11.15	129	63737	21.111	ug/l	99
61) 1,2-Dibromoethane	11.25	107	40812	19.923	ug/l	97
64) Tetrachloroethene	10.88	164	68820	21.135	ug/l	98
65) Chlorobenzene	11.67	112	173565	20.493	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	69741	20.893	ug/l	99
67) Ethyl Benzene	11.75	91	304946	21.041	ug/l	99
68) m/p-Xylenes	11.86	106	242861	43.074	ug/l	97
69) o-Xylene	12.18	106	107088	21.273	ug/l	96
70) Styrene	12.20	104	188187	21.454	ug/l	97
71) Bromoform	12.36	173	34527	20.281	ug/l #	96
73) Isopropylbenzene	12.48	105	299755	21.532	ug/l	99
74) N-amyl acetate	12.29	43	36184	19.753	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.73	83	40295	21.227	ug/l	95
76) 1,2,3-Trichloropropane	12.78	75	29390m	22.617	ug/l	
77) Bromobenzene	12.77	156	70175	20.526	ug/l	97
78) n-propylbenzene	12.83	91	346179	21.740	ug/l	99
79) 2-Chlorotoluene	12.91	91	197645	21.850	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	257869	21.684	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	13023	20.347	ug/l	91
82) 4-Chlorotoluene	13.01	91	206022	21.237	ug/l	100
83) tert-Butylbenzene	13.23	119	222872	22.113	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	255779	21.607	ug/l	97
85) sec-Butylbenzene	13.40	105	303117	22.278	ug/l	100
86) p-Isopropyltoluene	13.52	119	283598	21.585	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	139463	21.378	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	140351	21.247	ug/l	98
89) n-Butylbenzene	13.85	91	243459	21.452	ug/l	99
90) Hexachloroethane	14.11	117	52262	21.122	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	119224	21.116	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	6812	20.267	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	78043	20.366	ug/l	98
94) Hexachlorobutadiene	15.27	225	52612	20.514	ug/l	97
95) Naphthalene	15.41	128	115819	19.584	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	67015	20.422	ug/l	98

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

