

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062320\
 Data File : VD065853.D
 Acq On : 23 Jun 2020 12:04
 Operator : VA/SY
 Sample : VD0623SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0623SBS01

Manual Integrations
 APPROVED

MMDadoda
 6/24/2020 10:52:33 AM

Quant Time: Jun 24 05:39:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060520S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 05 13:07:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	189911	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	302577	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	280629	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	139941	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	100270	53.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.86%	
35) Dibromofluoromethane	7.91	113	98540	51.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.12%	
50) Toluene-d8	10.34	98	376301	52.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.60%	
62) 4-Bromofluorobenzene	12.64	95	125503	51.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	32713	23.521	ug/l	97
3) Chloromethane	2.21	50	59878	25.314	ug/l	99
4) Vinyl Chloride	2.35	62	68044	24.285	ug/l	97
5) Bromomethane	2.76	94	47468	24.225	ug/l	94
6) Chloroethane	2.92	64	44715	23.602	ug/l	96
7) Trichlorofluoromethane	3.27	101	74061	23.330	ug/l	98
8) Diethyl Ether	3.71	74	18191	21.796	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	4.09	101	43462	22.960	ug/l	99
10) Methyl Iodide	4.30	142	38324	20.791	ug/l	99
11) Tert butyl alcohol	5.22	59	15466	129.949	ug/l #	74
12) 1,1-Dichloroethene	4.06	96	40041	23.209	ug/l	94
13) Acrolein	3.92	56	8085	76.705	ug/l	93
14) Allyl chloride	4.71	41	64476	22.611	ug/l	95
15) Acrylonitrile	5.41	53	43677	115.222	ug/l	97
16) Acetone	4.15	43	45765	129.286	ug/l	98
17) Carbon Disulfide	4.40	76	131260	22.668	ug/l	99
18) Methyl Acetate	4.72	43	20706	24.048	ug/l	100
19) Methyl tert-butyl Ether	5.47	73	87957	22.508	ug/l	94
20) Methylene Chloride	4.96	84	56622	28.178	ug/l	93
21) trans-1,2-Dichloroethene	5.46	96	46198	22.865	ug/l	86
22) Diisopropyl ether	6.36	45	130963	22.731	ug/l	96
23) Vinyl Acetate	6.30	43	367081	112.828	ug/l	98
24) 1,1-Dichloroethane	6.26	63	79952	22.775	ug/l	99
25) 2-Butanone	7.21	43	57369	117.350	ug/l	95
26) 2,2-Dichloropropane	7.20	77	71688	23.031	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	48803	22.455	ug/l	97
28) Bromochloromethane	7.55	49	28934	21.340	ug/l	97
29) Tetrahydrofuran	7.56	42	35463	114.776	ug/l	97
30) Chloroform	7.71	83	81638	22.436	ug/l	91
31) Cyclohexane	7.98	56	76265	22.662	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	76626	22.902	ug/l	97
36) 1,1-Dichloropropene	8.11	75	65205	22.496	ug/l	99
37) Ethyl Acetate	7.29	43	26628	23.324	ug/l	97
38) Carbon Tetrachloride	8.10	117	69588	22.813	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	76618	22.326	ug/l	96
40) Benzene	8.35	78	175280	22.120	ug/l	99
41) Methacrylonitrile	7.52	41	13162m	19.362	ug/l	
42) 1,2-Dichloroethane	8.43	62	51840	21.683	ug/l	99
43) Isopropyl Acetate	8.45	43	50199	22.112	ug/l	99
44) Trichloroethene	9.11	130	49573	22.481	ug/l	94
45) 1,2-Dichloropropane	9.38	63	44094	22.147	ug/l	95
46) Dibromomethane	9.48	93	23658	21.909	ug/l	97
47) Bromodichloromethane	9.66	83	62323	21.538	ug/l	98
48) Methyl methacrylate	9.46	41	25230	22.959	ug/l	98
49) 1,4-Dioxane	9.46	88	4750	413.281	ug/l #	85
51) 4-Methyl-2-Pentanone	10.23	43	125391	112.717	ug/l	98
52) Toluene	10.40	92	117035	22.731	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	59580	22.738	ug/l	92
54) cis-1,3-Dichloropropene	10.09	75	69422	22.433	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	31939	22.137	ug/l	98
56) Ethyl methacrylate	10.66	69	37688	22.208	ug/l	98
57) 1,3-Dichloropropane	10.95	76	55508	22.206	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	85950	108.937	ug/l	99
59) 2-Hexanone	10.98	43	87813	117.085	ug/l	99
60) Dibromochloromethane	11.14	129	42821	21.970	ug/l	100
61) 1,2-Dibromoethane	11.25	107	30712	21.660	ug/l	99
64) Tetrachloroethene	10.88	164	39759	20.952	ug/l	95
65) Chlorobenzene	11.67	112	121327	22.146	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.74	131	44741	21.909	ug/l	99
67) Ethyl Benzene	11.75	91	218972	22.374	ug/l	99
68) m/p-Xylenes	11.86	106	167771	44.504	ug/l	100
69) o-Xylene	12.18	106	75026	22.073	ug/l	99
70) Styrene	12.20	104	128692	21.871	ug/l	97
71) Bromoform	12.36	173	23894	21.248	ug/l #	97
73) Isopropylbenzene	12.48	105	211157	22.505	ug/l	99
74) N-amyl acetate	12.30	43	44088	21.121	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	36524	23.050	ug/l	95
76) 1,2,3-Trichloropropane	12.78	75	24932m	22.908	ug/l	
77) Bromobenzene	12.76	156	49445	22.273	ug/l	99
78) n-propylbenzene	12.83	91	255714	22.642	ug/l	100
79) 2-Chlorotoluene	12.91	91	139837	22.570	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	175023	22.416	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	11032	21.901	ug/l	98
82) 4-Chlorotoluene	13.01	91	148125	22.274	ug/l	98
83) tert-Butylbenzene	13.23	119	150273	22.181	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	176095	22.533	ug/l	99
85) sec-Butylbenzene	13.41	105	212591	22.548	ug/l	99
86) p-Isopropyltoluene	13.52	119	194795	22.542	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	94993	21.702	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	94020	21.593	ug/l	97
89) n-Butylbenzene	13.85	91	185262	22.478	ug/l	98
90) Hexachloroethane	14.12	117	39678	22.939	ug/l	95
91) 1,2-Dichlorobenzene	13.90	146	81833	21.724	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5784	21.933	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	53723	20.975	ug/l	100
94) Hexachlorobutadiene	15.27	225	31150	20.118	ug/l	98
95) Naphthalene	15.41	128	89880	20.717	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	45098	20.444	ug/l	97

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

