

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062220\
 Data File : VD065849.D
 Acq On : 22 Jun 2020 17:24
 Operator : VA/SY
 Sample : VD0622SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBS01

Manual Integrations
 APPROVED

MMDadoda
 6/23/2020 11:02:18 AM

Quant Time: Jun 23 07:12:47 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	181157	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	295027	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	272251	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	137610	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	98093	54.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.60%	
35) Dibromofluoromethane	7.91	113	96638	51.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.72%	
50) Toluene-d8	10.34	98	371991	53.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.06%	
62) 4-Bromofluorobenzene	12.64	95	125186	53.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	30914	23.262	ug/l	97
3) Chloromethane	2.21	50	56036	24.712	ug/l	99
4) Vinyl Chloride	2.35	62	64451	24.114	ug/l	99
5) Bromomethane	2.75	94	44366	23.736	ug/l	97
6) Chloroethane	2.92	64	44525	24.638	ug/l	95
7) Trichlorofluoromethane	3.27	101	68809	22.723	ug/l	98
8) Diethyl Ether	3.70	74	18359	23.060	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.09	101	41011	22.713	ug/l	97
10) Methyl Iodide	4.30	142	37394	21.267	ug/l	98
11) Tert butyl alcohol	5.20	59	15799	142.102	ug/l #	93
12) 1,1-Dichloroethene	4.07	96	36533	22.199	ug/l	97
13) Acrolein	3.92	56	7516	74.752	ug/l	88
14) Allyl chloride	4.71	41	62849	23.106	ug/l	99
15) Acrylonitrile	5.42	53	41864	115.776	ug/l	96
16) Acetone	4.16	43	37060	109.754	ug/l	90
17) Carbon Disulfide	4.40	76	118239	21.406	ug/l	98
18) Methyl Acetate	4.71	43	20333	24.871	ug/l	96
19) Methyl tert-butyl Ether	5.47	73	83769	22.472	ug/l	99
20) Methylene Chloride	4.97	84	46637	23.663	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	43902	22.779	ug/l	98
22) Diisopropyl ether	6.36	45	126284	22.978	ug/l	96
23) Vinyl Acetate	6.31	43	358303	115.452	ug/l	95
24) 1,1-Dichloroethane	6.26	63	75658	22.593	ug/l	97
25) 2-Butanone	7.21	43	52454	112.481	ug/l	91
26) 2,2-Dichloropropane	7.21	77	66491	22.394	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	46746	22.547	ug/l	96
28) Bromochloromethane	7.54	49	28867	22.320	ug/l	98
29) Tetrahydrofuran	7.57	42	34433	116.828	ug/l	95
30) Chloroform	7.71	83	80094	23.076	ug/l	92
31) Cyclohexane	7.99	56	71978	22.421	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	71405	22.373	ug/l	97
36) 1,1-Dichloropropene	8.11	75	61922	21.910	ug/l	100
37) Ethyl Acetate	7.29	43	22161	19.908	ug/l #	94
38) Carbon Tetrachloride	8.10	117	63683	21.411	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	70020	20.926	ug/l	96
40) Benzene	8.35	78	169474	21.935	ug/l	99
41) Methacrylonitrile	7.53	41	14162	21.366	ug/l	92
42) 1,2-Dichloroethane	8.43	62	51018	21.885	ug/l	99
43) Isopropyl Acetate	8.46	43	47650	21.526	ug/l	99
44) Trichloroethene	9.11	130	46380	21.571	ug/l	96
45) 1,2-Dichloropropane	9.39	63	41912	21.589	ug/l	95
46) Dibromomethane	9.48	93	22420	21.294	ug/l	94
47) Bromodichloromethane	9.67	83	59885	21.225	ug/l	94
48) Methyl methacrylate	9.46	41	21525	20.089	ug/l	91
49) 1,4-Dioxane	9.46	88	5043	450.003	ug/l	88
51) 4-Methyl-2-Pentanone	10.23	43	120503	111.095	ug/l	98
52) Toluene	10.41	92	110267	21.965	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	56856	22.254	ug/l	93
54) cis-1,3-Dichloropropene	10.09	75	66562	22.059	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	30744	21.854	ug/l	96
56) Ethyl methacrylate	10.66	69	35389	21.387	ug/l	97
57) 1,3-Dichloropropane	10.95	76	52596	21.580	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	87353	113.549	ug/l	98
59) 2-Hexanone	10.98	43	81610	111.598	ug/l	99
60) Dibromochloromethane	11.14	129	40731	21.432	ug/l	95
61) 1,2-Dibromoethane	11.25	107	28558	20.656	ug/l	98
64) Tetrachloroethene	10.88	164	38639	20.988	ug/l	96
65) Chlorobenzene	11.67	112	113353	21.327	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.74	131	42682	21.544	ug/l	99
67) Ethyl Benzene	11.75	91	205161	21.608	ug/l	95
68) m/p-Xylenes	11.86	106	159822	43.700	ug/l	99
69) o-Xylene	12.18	106	71181	21.586	ug/l	97
70) Styrene	12.20	104	127228	22.288	ug/l	100
71) Bromoform	12.36	173	22982	21.065	ug/l #	97
73) Isopropylbenzene	12.48	105	196866	21.338	ug/l	100
74) N-amyl acetate	12.29	43	44730	21.792	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	34413	22.086	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	19924m	18.617	ug/l	
77) Bromobenzene	12.77	156	47187	21.616	ug/l	98
78) n-propylbenzene	12.83	91	244313	21.999	ug/l	100
79) 2-Chlorotoluene	12.91	91	133963	21.988	ug/l	97
80) 1,3,5-Trimethylbenzene	12.97	105	167692	21.841	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	11233	22.678	ug/l	96
82) 4-Chlorotoluene	13.01	91	144196	22.050	ug/l	98
83) tert-Butylbenzene	13.23	119	143801	21.586	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	167277	21.767	ug/l	100
85) sec-Butylbenzene	13.41	105	205208	22.134	ug/l	98
86) p-Isopropyltoluene	13.52	119	184592	21.723	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	93817	21.797	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	91631	21.401	ug/l	99
89) n-Butylbenzene	13.85	91	176557	21.785	ug/l	98
90) Hexachloroethane	14.11	117	36626	21.533	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	81286	21.944	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5262	20.292	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	51912	20.611	ug/l	99
94) Hexachlorobutadiene	15.27	225	29824	19.588	ug/l	99
95) Naphthalene	15.41	128	86853	20.358	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	43840	20.210	ug/l	99

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

