

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021020\
 Data File : VD065127.D
 Acq On : 10 Feb 2020 12:27
 Operator : VA/SY
 Sample : VD0210SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0210SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/11/2020 6:09:32 PM

Quant Time: Feb 11 08:18:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	470142	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	703708	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	620268	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	305457	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	211835	53.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.02%	
35) Dibromofluoromethane	7.92	113	210761	53.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.36%	
50) Toluene-d8	10.34	98	832206	53.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.50%	
62) 4-Bromofluorobenzene	12.64	95	256831	51.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	77804	19.887	ug/l	93
3) Chloromethane	2.21	50	98469	21.381	ug/l	91
4) Vinyl Chloride	2.35	62	102851	21.117	ug/l	95
5) Bromomethane	2.76	94	63859	20.221	ug/l	97
6) Chloroethane	2.92	64	62438	20.666	ug/l	98
7) Trichlorofluoromethane	3.27	101	145510	20.529	ug/l	97
8) Diethyl Ether	3.71	74	39204	19.266	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.08	101	87029	20.084	ug/l	100
10) Methyl Iodide	4.29	142	86877	17.566	ug/l	98
11) Tert butyl alcohol	5.25	59	21732	89.015	ug/l #	93
12) 1,1-Dichloroethene	4.06	96	82342	19.841	ug/l	99
13) Acrolein	3.93	56	28056	93.432	ug/l	99
14) Allyl chloride	4.71	41	131185	19.020	ug/l	99
15) Acrylonitrile	5.43	53	86281	96.986	ug/l	99
16) Acetone	4.17	43	93688	93.780	ug/l	95
17) Carbon Disulfide	4.40	76	261556	19.629	ug/l	100
18) Methyl Acetate	4.72	43	45216	21.663	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	166852	18.181	ug/l	97
20) Methylene Chloride	4.96	84	97433	19.767	ug/l	92
21) trans-1,2-Dichloroethene	5.47	96	91723	19.535	ug/l	97
22) Diisopropyl ether	6.37	45	261207	20.078	ug/l	99
23) Vinyl Acetate	6.31	43	664707	91.665	ug/l	99
24) 1,1-Dichloroethane	6.27	63	158540	20.133	ug/l	97
25) 2-Butanone	7.23	43	111553	93.610	ug/l	100
26) 2,2-Dichloropropane	7.21	77	145881	20.668	ug/l	100
27) cis-1,2-Dichloroethene	7.22	96	97282	19.503	ug/l	98
28) Bromochloromethane	7.55	49	58964	19.753	ug/l	99
29) Tetrahydrofuran	7.57	42	69851	96.927	ug/l	98
30) Chloroform	7.71	83	159358	20.324	ug/l	96
31) Cyclohexane	7.98	56	153193	19.272	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	146602	20.072	ug/l	99
36) 1,1-Dichloropropene	8.12	75	129328	19.765	ug/l	98
37) Ethyl Acetate	7.30	43	49358	18.464	ug/l	99
38) Carbon Tetrachloride	8.10	117	133281	19.943	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	149152	18.467	ug/l	98
40) Benzene	8.36	78	356250	19.716	ug/l	98
41) Methacrylonitrile	7.53	41	28000	19.012	ug/l #	86
42) 1,2-Dichloroethane	8.43	62	100751	19.568	ug/l	97
43) Isopropyl Acetate	8.46	43	93835	18.350	ug/l	98
44) Trichloroethene	9.11	130	100603	19.397	ug/l	98
45) 1,2-Dichloropropane	9.39	63	86968	20.074	ug/l	91
46) Dibromomethane	9.48	93	46126	20.261	ug/l	94
47) Bromodichloromethane	9.67	83	123407	20.573	ug/l #	97
48) Methyl methacrylate	9.46	41	42741	17.369	ug/l	96
49) 1,4-Dioxane	9.47	88	10442	387.256	ug/l #	94
51) 4-Methyl-2-Pentanone	10.23	43	238377	94.705	ug/l	99
52) Toluene	10.41	92	228733	19.833	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	111970	19.172	ug/l	100
54) cis-1,3-Dichloropropene	10.10	75	134767	19.294	ug/l	96
55) 1,1,2-Trichloroethane	10.81	97	61855	19.809	ug/l	94
56) Ethyl methacrylate	10.67	69	71202	18.021	ug/l	100
57) 1,3-Dichloropropane	10.95	76	108470	19.755	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	125786	86.072	ug/l	100
59) 2-Hexanone	10.99	43	166277	93.263	ug/l	100
60) Dibromochloromethane	11.14	129	80725	19.959	ug/l	98
61) 1,2-Dibromoethane	11.26	107	58885	19.299	ug/l	98
64) Tetrachloroethene	10.88	164	93780	21.041	ug/l	96
65) Chlorobenzene	11.67	112	236419	19.707	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	87727	19.813	ug/l	99
67) Ethyl Benzene	11.75	91	423792	19.443	ug/l	98
68) m/p-Xylenes	11.86	106	327657	39.387	ug/l	100
69) o-Xylene	12.19	106	145967	19.485	ug/l	98
70) Styrene	12.20	104	253456	19.466	ug/l	100
71) Bromoform	12.37	173	46842	19.654	ug/l #	99
73) Isopropylbenzene	12.48	105	395073	18.844	ug/l	99
74) N-amyl acetate	12.30	43	81366	17.855	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	65502	19.851	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	36237m	15.669	ug/l	
77) Bromobenzene	12.77	156	95762	18.958	ug/l	99
78) n-propylbenzene	12.83	91	473628	19.290	ug/l	100
79) 2-Chlorotoluene	12.91	91	264538	19.329	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	326592	19.041	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	21195	18.329	ug/l	95
82) 4-Chlorotoluene	13.01	91	279089	19.417	ug/l	99
83) tert-Butylbenzene	13.23	119	270188	18.259	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	325234	19.100	ug/l	98
85) sec-Butylbenzene	13.41	105	387420	19.169	ug/l	99
86) p-Isopropyltoluene	13.53	119	353061	18.802	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	185661	19.631	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	178727	18.987	ug/l	99
89) n-Butylbenzene	13.85	91	332038	19.158	ug/l	98
90) Hexachloroethane	14.12	117	70092	19.712	ug/l	94
91) 1,2-Dichlorobenzene	13.90	146	155760	19.228	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	10390	19.289	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	104774	18.096	ug/l	99
94) Hexachlorobutadiene	15.28	225	66225	18.602	ug/l	99
95) Naphthalene	15.41	128	161188	16.750	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	89912	18.155	ug/l	98

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

