

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD011720\
 Data File : VD064861.D
 Acq On : 17 Jan 2020 14:18
 Operator : VA/SY
 Sample : VD0117SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0117SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/20/2020 11:14:25 AM

Quant Time: Jan 17 23:37:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	373356	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	538312	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	478135	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	237778	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	166878	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
35) Dibromofluoromethane	7.92	113	159846	48.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.80%	
50) Toluene-d8	10.34	98	584379	46.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.40%	
62) 4-Bromofluorobenzene	12.64	95	192638	48.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	56999	19.644	ug/l	99
3) Chloromethane	2.21	50	86420	21.297	ug/l	97
4) Vinyl Chloride	2.35	62	99131	20.036	ug/l	99
5) Bromomethane	2.76	94	70544	19.609	ug/l	92
6) Chloroethane	2.92	64	68195	20.570	ug/l	96
7) Trichlorofluoromethane	3.27	101	163288	19.600	ug/l	100
8) Diethyl Ether	3.71	74	38817	23.464	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	76670	22.222	ug/l	97
10) Methyl Iodide	4.30	142	76437	20.625	ug/l	99
11) Tert butyl alcohol	5.25	59	24923	132.093	ug/l	100
12) 1,1-Dichloroethene	4.06	96	70125	21.349	ug/l	93
13) Acrolein	3.93	56	20677	78.634	ug/l	100
14) Allyl chloride	4.71	41	111145	21.702	ug/l	99
15) Acrylonitrile	5.44	53	81345	118.048	ug/l	99
16) Acetone	4.17	43	82562	113.964	ug/l	97
17) Carbon Disulfide	4.40	76	217859	20.512	ug/l	97
18) Methyl Acetate	4.73	43	43039	23.221	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	170105	23.315	ug/l	99
20) Methylene Chloride	4.97	84	96117	26.222	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	81058	21.669	ug/l	93
22) Diisopropyl ether	6.37	45	237632	23.263	ug/l	97
23) Vinyl Acetate	6.31	43	665668	114.879	ug/l	99
24) 1,1-Dichloroethane	6.27	63	143585	23.414	ug/l	97
25) 2-Butanone	7.22	43	108676	120.091	ug/l	98
26) 2,2-Dichloropropane	7.21	77	132006	23.153	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	91042	22.551	ug/l	98
28) Bromochloromethane	7.55	49	53932	22.624	ug/l	95
29) Tetrahydrofuran	7.57	42	66299	117.809	ug/l	98
30) Chloroform	7.71	83	149767	23.278	ug/l	99
31) Cyclohexane	7.98	56	131083	21.354	ug/l	96
32) 1,1,1-Trichloroethane	7.91	97	136198	22.538	ug/l	100
36) 1,1-Dichloropropene	8.11	75	115498	22.292	ug/l	98
37) Ethyl Acetate	7.30	43	47862	23.514	ug/l #	94
38) Carbon Tetrachloride	8.10	117	121856	22.056	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	132664	21.140	ug/l	98
40) Benzene	8.36	78	317031	22.414	ug/l	99
41) Methacrylonitrile	7.54	41	25113	21.265	ug/l #	64
42) 1,2-Dichloroethane	8.43	62	99763	24.408	ug/l	99
43) Isopropyl Acetate	8.46	43	92512	22.835	ug/l	99
44) Trichloroethene	9.12	130	92164	22.181	ug/l	92
45) 1,2-Dichloropropane	9.39	63	79993	23.687	ug/l	98
46) Dibromomethane	9.48	93	43736	23.228	ug/l	98
47) Bromodichloromethane	9.67	83	116067	23.166	ug/l	100
48) Methyl methacrylate	9.46	41	44191	23.165	ug/l	94
49) 1,4-Dioxane	9.47	88	10216	470.553	ug/l	95
51) 4-Methyl-2-Pentanone	10.24	43	233380	116.543	ug/l	99
52) Toluene	10.41	92	207090	22.316	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	107931	23.106	ug/l	96
54) cis-1,3-Dichloropropene	10.10	75	127614	23.169	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	60393	23.800	ug/l	98
56) Ethyl methacrylate	10.67	69	70009	22.092	ug/l	96
57) 1,3-Dichloropropane	10.95	76	100729	23.055	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	151230	125.257	ug/l	99
59) 2-Hexanone	10.99	43	162406	119.491	ug/l	96
60) Dibromochloromethane	11.14	129	78184	22.281	ug/l	98
61) 1,2-Dibromoethane	11.26	107	55224	22.065	ug/l	97
64) Tetrachloroethene	10.88	164	77923	21.243	ug/l	98
65) Chlorobenzene	11.68	112	222787	22.450	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.75	131	85632	22.890	ug/l	97
67) Ethyl Benzene	11.75	91	387079	21.490	ug/l	100
68) m/p-Xylenes	11.86	106	297579	42.803	ug/l	99
69) o-Xylene	12.18	106	135675	21.606	ug/l	99
70) Styrene	12.20	104	241182	21.881	ug/l	98
71) Bromoform	12.37	173	48138	22.564	ug/l #	98
73) Isopropylbenzene	12.48	105	365383	21.503	ug/l	98
74) N-amyl acetate	12.30	43	83381	22.955	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	61451	23.021	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	41250m	21.969	ug/l	
77) Bromobenzene	12.77	156	91099	21.819	ug/l	97
78) n-propylbenzene	12.83	91	433508	21.868	ug/l	99
79) 2-Chlorotoluene	12.91	91	237329	21.794	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	305289	21.872	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	21303	23.729	ug/l	97
82) 4-Chlorotoluene	13.01	91	252061	21.750	ug/l	100
83) tert-Butylbenzene	13.23	119	252575	20.841	ug/l	96
84) 1,2,4-Trimethylbenzene	13.28	105	303870	21.859	ug/l	97
85) sec-Butylbenzene	13.41	105	354631	21.344	ug/l	100
86) p-Isopropyltoluene	13.53	119	332858	20.952	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	172238	21.640	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	171926	21.988	ug/l	98
89) n-Butylbenzene	13.85	91	299191	20.913	ug/l	99
90) Hexachloroethane	14.12	117	65788	21.678	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	148109	21.823	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	10167	23.495	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	107500	21.511	ug/l	99
94) Hexachlorobutadiene	15.28	225	61925	19.692	ug/l	95
95) Naphthalene	15.41	128	170653	21.586	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	90519	21.217	ug/l	99

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

