

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041720\
 Data File : VD065657.D
 Acq On : 17 Apr 2020 21:13
 Operator : VA/SY
 Sample : VD0417SBS01
 Misc : 5.65G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0417SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/20/2020 4:28:26 PM

Quant Time: Apr 20 08:26:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 15 19:43:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	209412	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	307779	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	298171	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	157665	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	93789	52.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.30%	
35) Dibromofluoromethane	7.92	113	95528	49.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.74%	
50) Toluene-d8	10.34	98	349897	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	
62) 4-Bromofluorobenzene	12.64	95	115750	49.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	28387	16.279	ug/l	98
3) Chloromethane	2.21	50	33734	17.726	ug/l	98
4) Vinyl Chloride	2.35	62	37147	17.967	ug/l	97
5) Bromomethane	2.76	94	24911	22.184	ug/l	87
6) Chloroethane	2.91	64	24027	19.548	ug/l	91
7) Trichlorofluoromethane	3.27	101	54915	18.631	ug/l	97
8) Diethyl Ether	3.70	74	12898	21.304	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.09	101	25687	19.117	ug/l	99
10) Methyl Iodide	4.29	142	21355	15.502	ug/l	99
11) Tert butyl alcohol	5.24	59	9495	107.770	ug/l #	88
12) 1,1-Dichloroethene	4.06	96	22007	18.220	ug/l	98
13) Acrolein	3.92	56	7217	91.539	ug/l	93
14) Allyl chloride	4.71	41	34555	18.659	ug/l	98
15) Acrylonitrile	5.43	53	27257	74.761	ug/l	97
16) Acetone	4.16	43	24214	95.042	ug/l	100
17) Carbon Disulfide	4.40	76	75153	18.441	ug/l	99
18) Methyl Acetate	4.71	43	15071	20.542	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	52018	15.209	ug/l	95
20) Methylene Chloride	4.96	84	33916	20.877	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	27349	14.013	ug/l	95
22) Diisopropyl ether	6.37	45	114494	20.539	ug/l	97
23) Vinyl Acetate	6.31	43	297055	98.216	ug/l	98
24) 1,1-Dichloroethane	6.26	63	67135	19.062	ug/l	99
25) 2-Butanone	7.22	43	47963	100.897	ug/l	99
26) 2,2-Dichloropropane	7.21	77	53056	17.284	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	42009	19.402	ug/l	99
28) Bromochloromethane	7.55	49	32177	22.876	ug/l	98
29) Tetrahydrofuran	7.57	42	31854	105.609	ug/l	98
30) Chloroform	7.71	83	74038	20.540	ug/l	93
31) Cyclohexane	7.98	56	59194	17.644	ug/l	94
32) 1,1,1-Trichloroethane	7.91	97	62132	19.171	ug/l	99
36) 1,1-Dichloropropene	8.11	75	52808	17.769	ug/l	100
37) Ethyl Acetate	7.30	43	21616	18.239	ug/l	97
38) Carbon Tetrachloride	8.10	117	57680	18.119	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	55803	16.136	ug/l	97
40) Benzene	8.36	78	160392	18.771	ug/l	98
41) Methacrylonitrile	7.53	41	12863	21.914	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	46764	19.970	ug/l	100
43) Isopropyl Acetate	8.46	43	41875	19.621	ug/l	97
44) Trichloroethene	9.11	130	43000	17.978	ug/l	99
45) 1,2-Dichloropropane	9.39	63	40438	19.284	ug/l	97
46) Dibromomethane	9.48	93	21476	19.804	ug/l	98
47) Bromodichloromethane	9.67	83	55576	19.246	ug/l	100
48) Methyl methacrylate	9.46	41	18992	17.782	ug/l #	88
49) 1,4-Dioxane	9.47	88	4774	380.772	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	108376	97.107	ug/l	97
52) Toluene	10.40	92	102148	19.392	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	48650	18.348	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	61320	19.109	ug/l	95
55) 1,1,2-Trichloroethane	10.81	97	31398	20.470	ug/l	97
56) Ethyl methacrylate	10.67	69	31441	18.715	ug/l	99
57) 1,3-Dichloropropane	10.95	76	51183	19.597	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	88387	103.483	ug/l	99
59) 2-Hexanone	10.99	43	73878	96.624	ug/l	98
60) Dibromochloromethane	11.14	129	39576	19.590	ug/l	97
61) 1,2-Dibromoethane	11.25	107	29199	19.784	ug/l	99
64) Tetrachloroethene	10.88	164	38733	18.104	ug/l	96
65) Chlorobenzene	11.67	112	111480	18.884	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	43462	19.255	ug/l	99
67) Ethyl Benzene	11.75	91	177533	17.596	ug/l	100
68) m/p-Xylenes	11.86	106	143270	36.757	ug/l	99
69) o-Xylene	12.18	106	61627	18.020	ug/l	97
70) Styrene	12.20	104	113309	18.718	ug/l	99
71) Bromoform	12.37	173	24015	18.939	ug/l #	100
73) Isopropylbenzene	12.48	105	157434	16.556	ug/l	99
74) N-amyl acetate	12.30	43	36485	18.264	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	34293	19.861	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	26744m	21.097	ug/l	
77) Bromobenzene	12.77	156	48012	19.013	ug/l	98
78) n-propylbenzene	12.83	91	206602	17.960	ug/l	99
79) 2-Chlorotoluene	12.91	91	118325	18.113	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	145935	18.185	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	10171	17.584	ug/l	99
82) 4-Chlorotoluene	13.01	91	127992	18.207	ug/l	99
83) tert-Butylbenzene	13.23	119	112693	16.749	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	145363	18.170	ug/l	100
85) sec-Butylbenzene	13.41	105	165941	17.238	ug/l	99
86) p-Isopropyltoluene	13.53	119	154581	17.111	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	88464	17.892	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	90961	18.484	ug/l	99
89) n-Butylbenzene	13.85	91	130298	15.891	ug/l	99
90) Hexachloroethane	14.12	117	33596	17.732	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	78478	18.512	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	5229	20.025	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	50608	17.356	ug/l	97
94) Hexachlorobutadiene	15.28	225	34550	17.281	ug/l	97
95) Naphthalene	15.41	128	73975	17.694	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	46198	17.958	ug/l	98

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

