

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030320\
 Data File : VD065388.D
 Acq On : 03 Mar 2020 12:15
 Operator : VA/SY
 Sample : L1161-01 2.5PPBLOD
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0304

Manual Integrations
 APPROVED

MMDadoda
 3/4/2020 2:01:26 PM

Quant Time: Mar 04 06:13:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	423519	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	650641	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	589689	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	288420	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	206682	54.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.50%	
35) Dibromofluoromethane	7.92	113	221038	55.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.44%	
50) Toluene-d8	10.34	98	824579	54.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.74%	
62) 4-Bromofluorobenzene	12.64	95	258627	53.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.66%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.99	85	14870	4.186 ug/l	100
3) Chloromethane	2.21	50	16088	3.558 ug/l	91
4) Vinyl Chloride	2.35	62	15432	3.357 ug/l	94
5) Bromomethane	2.78	94	11479	4.129 ug/l	99
6) Chloroethane	2.92	64	10245	3.651 ug/l #	87
7) Trichlorofluoromethane	3.27	101	25490	3.873 ug/l	98
8) Diethyl Ether	3.70	74	6757	3.401 ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	15682	3.773 ug/l	92
10) Methyl Iodide	4.29	142	12240	2.836 ug/l	96
11) Tert butyl alcohol	5.23	59	3397m	14.921 ug/l	
12) 1,1-Dichloroethene	4.06	96	14751	3.757 ug/l	99
13) Acrolein	3.93	56	3977	11.734 ug/l	99
14) Allyl chloride	4.71	41	19748	3.097 ug/l	92
15) Acrylonitrile	5.44	53	11270	12.812 ug/l	94
16) Acetone	4.17	43	14147	15.190 ug/l	97
17) Carbon Disulfide	4.40	76	47297	3.593 ug/l	99
18) Methyl Acetate	4.73	43	10073	4.809 ug/l	94
19) Methyl tert-butyl Ether	5.49	73	22350	2.729 ug/l	100
20) Methylene Chloride	4.96	84	25178	5.326 ug/l	86
21) trans-1,2-Dichloroethene	5.47	96	15589	3.492 ug/l	84
22) Diisopropyl ether	6.36	45	30689	2.497 ug/l	97
23) Vinyl Acetate	6.31	43	52411	7.734 ug/l	98
24) 1,1-Dichloroethane	6.26	63	26636	3.493 ug/l	97
25) 2-Butanone	7.23	43	15367	13.041 ug/l	90
26) 2,2-Dichloropropane	7.21	77	21068	3.185 ug/l	95
27) cis-1,2-Dichloroethene	7.21	96	15181	3.211 ug/l	94
28) Bromochloromethane	7.54	49	10027	3.545 ug/l #	98
29) Tetrahydrofuran	7.57	42	8342	12.082 ug/l	93
30) Chloroform	7.71	83	28083	3.656 ug/l	99
31) Cyclohexane	7.99	56	29448	3.931 ug/l #	69
32) 1,1,1-Trichloroethane	7.91	97	24892	3.622 ug/l	97
36) 1,1-Dichloropropene	8.11	75	18453	2.915 ug/l	99
37) Ethyl Acetate	7.30	43	6999	2.645 ug/l #	79
38) Carbon Tetrachloride	8.10	117	22795	3.537 ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	23143	3.109	ug/l	97
40) Benzene	8.36	78	58827	3.292	ug/l	96
41) Methacrylonitrile	7.53	41	3880	2.539	ug/l #	62
42) 1,2-Dichloroethane	8.43	62	16298	3.318	ug/l	99
43) Isopropyl Acetate	8.46	43	11554	2.401	ug/l	93
44) Trichloroethene	9.11	130	17479	3.529	ug/l	93
45) 1,2-Dichloropropane	9.39	63	14917	3.357	ug/l	97
46) Dibromomethane	9.48	93	7113	3.111	ug/l	91
47) Bromodichloromethane	9.67	83	19508	3.238	ug/l	94
48) Methyl methacrylate	9.46	41	4980	2.239	ug/l	89
49) 1,4-Dioxane	9.47	88	1123	41.882	ug/l #	87
51) 4-Methyl-2-Pentanone	10.23	43	28797	11.781	ug/l	93
52) Toluene	10.40	92	38178	3.452	ug/l	96
53) t-1,3-Dichloropropene	10.63	75	16620	2.976	ug/l	93
54) cis-1,3-Dichloropropene	10.09	75	19385	2.875	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	10583	3.289	ug/l	91
56) Ethyl methacrylate	10.66	69	8363	2.252	ug/l	97
57) 1,3-Dichloropropane	10.95	76	15016	2.742	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	17893	15.281	ug/l	96
59) 2-Hexanone	10.99	43	19079	10.903	ug/l	99
60) Dibromochloromethane	11.14	129	13208	3.207	ug/l	96
61) 1,2-Dibromoethane	11.26	107	9302	3.053	ug/l	96
64) Tetrachloroethene	10.88	164	16094	3.848	ug/l	95
65) Chlorobenzene	11.67	112	40606	3.431	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	12991	2.942	ug/l	96
67) Ethyl Benzene	11.75	91	62713	3.026	ug/l	100
68) m/p-Xylenes	11.86	106	43416	5.475	ug/l	98
69) o-Xylene	12.18	106	18832	2.681	ug/l	90
70) Styrene	12.20	104	32633	2.616	ug/l	96
71) Bromoform	12.37	173	8017	3.272	ug/l #	97
73) Isopropylbenzene	12.48	105	52943	2.773	ug/l	99
74) N-amyl acetate	12.30	43	9080	2.140	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	11968	3.473	ug/l	95
76) 1,2,3-Trichloropropane	12.79	75	8958m	3.650	ug/l	
77) Bromobenzene	12.77	156	14835	3.129	ug/l	98
78) n-propylbenzene	12.83	91	64520	2.812	ug/l	98
79) 2-Chlorotoluene	12.91	91	34311	2.669	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	45481	2.892	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.54	75	2803m	2.466	ug/l	
82) 4-Chlorotoluene	13.01	91	36381	2.666	ug/l	100
83) tert-Butylbenzene	13.23	119	32942	2.499	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	41927	2.663	ug/l	97
85) sec-Butylbenzene	13.41	105	48690	2.564	ug/l	98
86) p-Isopropyltoluene	13.53	119	41388	2.383	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	30323	3.308	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	31868	3.523	ug/l	91
89) n-Butylbenzene	13.86	91	43250	2.702	ug/l	95
90) Hexachloroethane	14.12	117	11063	3.137	ug/l	92
91) 1,2-Dichlorobenzene	13.90	146	26708	3.393	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	1702	3.205	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	16230	3.152	ug/l	96
94) Hexachlorobutadiene	15.28	225	10381	3.143	ug/l	97
95) Naphthalene	15.41	128	21771	2.601	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	15872	3.530	ug/l	100

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

