

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030420\
 Data File : VD065418.D
 Acq On : 04 Mar 2020 18:42
 Operator : VA/SY
 Sample : L1161-01 2.5PPBLOD
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0305

Manual Integrations
 APPROVED

MMDadoda
 3/5/2020 1:39:14 PM

Quant Time: Mar 05 02:41:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 02:33:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	461244	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	732320	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	665374	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	313728	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	206470	52.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.36%	
35) Dibromofluoromethane	7.92	113	213507	47.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.30%	
50) Toluene-d8	10.34	98	801480	46.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.26%	
62) 4-Bromofluorobenzene	12.64	95	245314	45.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.48%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	12198	3.077	ug/l	96
3) Chloromethane	2.21	50	13954	2.916	ug/l	100
4) Vinyl Chloride	2.35	62	13859	2.936	ug/l #	88
5) Bromomethane	2.77	94	10813	3.582	ug/l	94
6) Chloroethane	2.93	64	8678	3.002	ug/l #	85
7) Trichlorofluoromethane	3.27	101	21649	3.112	ug/l	93
8) Diethyl Ether	3.71	74	6189	2.992	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	4.07	101	12884	2.876	ug/l #	17
10) Methyl Iodide	4.30	142	11755	2.526	ug/l #	85
11) Tert butyl alcohol	5.24	59	3594m	15.836	ug/l	
12) 1,1-Dichloroethene	4.06	96	13595	3.169	ug/l	84
13) Acrolein	3.93	56	5258	13.434	ug/l	94
14) Allyl chloride	4.71	41	19026	2.887	ug/l	97
15) Acrylonitrile	5.44	53	12340	13.713	ug/l	95
16) Acetone	4.17	43	11927	14.906	ug/l	92
17) Carbon Disulfide	4.40	76	42260	2.958	ug/l	99
18) Methyl Acetate	4.73	43	6178	3.044	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	22100	2.679	ug/l	91
20) Methylene Chloride	4.96	84	21262	4.295	ug/l	90
21) trans-1,2-Dichloroethene	5.47	96	13902	2.913	ug/l	93
22) Diisopropyl ether	6.37	45	30303	2.474	ug/l	96
23) Vinyl Acetate	6.31	43	76084	11.186	ug/l	95
24) 1,1-Dichloroethane	6.27	63	24312	3.094	ug/l	94
25) 2-Butanone	7.23	43	15425	14.126	ug/l #	86
26) 2,2-Dichloropropane	7.21	77	20712	3.016	ug/l	96
27) cis-1,2-Dichloroethene	7.21	96	13499	2.768	ug/l	80
28) Bromochloromethane	7.55	49	9895	3.148	ug/l	100
29) Tetrahydrofuran	7.57	42	8200	11.759	ug/l	98
30) Chloroform	7.71	83	24527	3.123	ug/l	94
31) Cyclohexane	7.98	56	28877	3.675	ug/l #	72
32) 1,1,1-Trichloroethane	7.91	97	20759	2.860	ug/l	97
36) 1,1-Dichloropropene	8.11	75	18545	2.642	ug/l	98
37) Ethyl Acetate	7.30	43	6538	2.410	ug/l #	73
38) Carbon Tetrachloride	8.10	117	20093	2.760	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	21152	2.495	ug/l	88
40) Benzene	8.36	78	53177	2.709	ug/l	98
41) Methacrylonitrile	7.53	41	3837	2.674	ug/l #	75
42) 1,2-Dichloroethane	8.43	62	14495	2.828	ug/l	97
43) Isopropyl Acetate	8.46	43	12459	2.487	ug/l	97
44) Trichloroethene	9.12	130	15980	2.883	ug/l	86
45) 1,2-Dichloropropane	9.39	63	13068	2.749	ug/l	95
46) Dibromomethane	9.48	93	6610	2.680	ug/l	98
47) Bromodichloromethane	9.67	83	17690	2.757	ug/l #	98
48) Methyl methacrylate	9.47	41	5084	2.157	ug/l #	90
49) 1,4-Dioxane	9.47	88	1414	50.127	ug/l #	85
51) 4-Methyl-2-Pentanone	10.23	43	27567	10.935	ug/l	96
52) Toluene	10.41	92	33615	2.719	ug/l	96
53) t-1,3-Dichloropropene	10.63	75	15247	2.543	ug/l	95
54) cis-1,3-Dichloropropene	10.10	75	17346	2.390	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	9563	2.738	ug/l	96
56) Ethyl methacrylate	10.66	69	9072	2.304	ug/l	99
57) 1,3-Dichloropropane	10.96	76	15186	2.570	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.95	63	12528	9.866	ug/l	100
59) 2-Hexanone	10.99	43	18634	10.677	ug/l	91
60) Dibromochloromethane	11.14	129	12906	2.883	ug/l	93
61) 1,2-Dibromoethane	11.25	107	8579	2.575	ug/l	99
64) Tetrachloroethene	10.88	164	14637	3.070	ug/l	96
65) Chlorobenzene	11.67	112	36130	2.744	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	13164	2.745	ug/l	96
67) Ethyl Benzene	11.75	91	56063	2.464	ug/l	92
68) m/p-Xylenes	11.86	106	39765	4.533	ug/l	95
69) o-Xylene	12.18	106	17522	2.271	ug/l	98
70) Styrene	12.20	104	29685	2.186	ug/l	98
71) Bromoform	12.36	173	7038	2.613	ug/l #	98
73) Isopropylbenzene	12.48	105	47081	2.282	ug/l	99
74) N-amyl acetate	12.29	43	9238	2.187	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.74	83	10247	2.825	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	6729m	2.718	ug/l	
77) Bromobenzene	12.77	156	14274	2.784	ug/l	98
78) n-propylbenzene	12.83	91	63722	2.603	ug/l	99
79) 2-Chlorotoluene	12.91	91	35316	2.559	ug/l	97
80) 1,3,5-Trimethylbenzene	12.97	105	39956	2.355	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	2805m	2.391	ug/l	
82) 4-Chlorotoluene	13.01	91	37116	2.560	ug/l	100
83) tert-Butylbenzene	13.23	119	34113	2.377	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	37428	2.238	ug/l	99
85) sec-Butylbenzene	13.41	105	47828	2.335	ug/l	96
86) p-Isopropyltoluene	13.53	119	41187	2.203	ug/l	97
87) 1,3-Dichlorobenzene	13.53	146	25306	2.567	ug/l	92
88) 1,4-Dichlorobenzene	13.60	146	28852	2.943	ug/l	88
89) n-Butylbenzene	13.86	91	42197	2.442	ug/l	99
90) Hexachloroethane	14.12	117	11275	2.929	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	22758	2.713	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	1624	2.940	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	15422	2.713	ug/l	96
94) Hexachlorobutadiene	15.28	225	10826	2.898	ug/l	96
95) Naphthalene	15.41	128	20715	2.278	ug/l	97
96) 1,2,3-Trichlorobenzene	15.60	180	13463	2.740	ug/l	94

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

