

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050720\
 Data File : VD065707.D
 Acq On : 07 May 2020 12:29
 Operator : VA/SY
 Sample : L2182-01 2.5PPBLOD
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0307

Quant Time: May 08 08:21:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050620S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 17:01:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	426435	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	641504	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	565786	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	271686	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	192108	44.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.94%	
35) Dibromofluoromethane	7.92	113	189721	47.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.64%	
50) Toluene-d8	10.34	98	734441	47.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.40%	
62) 4-Bromofluorobenzene	12.64	95	250665	45.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	9283	2.775	ug/l	89
3) Chloromethane	2.21	50	13392	3.175	ug/l	94
4) Vinyl Chloride	2.35	62	12645	2.959	ug/l	96
5) Bromomethane	2.77	94	9949	3.688	ug/l	83
6) Chloroethane	2.92	64	7812	2.845	ug/l	94
7) Trichlorofluoromethane	3.27	101	18234	2.674	ug/l	92
8) Diethyl Ether	3.71	74	5670	2.655	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.09	101	11738	2.836	ug/l	94
10) Methyl Iodide	4.30	142	10405	2.563	ug/l	95
11) Tert butyl alcohol	5.20	59	10825m	28.441	ug/l	
12) 1,1-Dichloroethene	4.07	96	11512	2.830	ug/l	97
13) Acrolein	3.93	56	5382	15.334	ug/l #	82
14) Allyl chloride	4.71	41	20257	2.498	ug/l	97
15) Acrylonitrile	5.43	53	13385	13.329	ug/l	93
16) Acetone	4.16	43	12507	13.714	ug/l	99
17) Carbon Disulfide	4.41	76	35380	2.645	ug/l	99
18) Methyl Acetate	4.73	43	5840	2.576	ug/l #	81
19) Methyl tert-butyl Ether	5.47	73	26171	2.654	ug/l	99
20) Methylene Chloride	4.97	84	16691	3.633	ug/l	89
21) trans-1,2-Dichloroethene	5.47	96	14054m	3.018	ug/l	
22) Diisopropyl ether	6.37	45	36294	2.407	ug/l	95
23) Vinyl Acetate	6.31	43	105001	11.529	ug/l	97
24) 1,1-Dichloroethane	6.27	63	21531	2.607	ug/l	95
25) 2-Butanone	7.21	43	18524	13.694	ug/l	98
26) 2,2-Dichloropropane	7.21	77	20319	2.732	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	14080	2.787	ug/l	97
28) Bromochloromethane	7.55	49	7209	2.092	ug/l #	94
29) Tetrahydrofuran	7.57	42	12610	14.463	ug/l	94
30) Chloroform	7.71	83	20567	2.587	ug/l	92
31) Cyclohexane	7.98	56	30451	3.563	ug/l #	66
32) 1,1,1-Trichloroethane	7.90	97	18758	2.546	ug/l	100
36) 1,1-Dichloropropene	8.11	75	17197	2.699	ug/l	97
37) Ethyl Acetate	7.30	43	7950	2.592	ug/l #	91
38) Carbon Tetrachloride	8.10	117	17558	2.780	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	22993	2.875	ug/l	90
40) Benzene	8.36	78	47232	2.715	ug/l #	90
41) Methacrylonitrile	7.53	41	4013	2.268	ug/l #	86
42) 1,2-Dichloroethane	8.43	62	13865	2.769	ug/l	93
43) Isopropyl Acetate	8.46	43	15392	2.509	ug/l	99
44) Trichloroethene	9.11	130	13200	2.753	ug/l	86
45) 1,2-Dichloropropane	9.39	63	11414	2.537	ug/l	100
46) Dibromomethane	9.48	93	6041	2.677	ug/l	98
47) Bromodichloromethane	9.67	83	15736	2.607	ug/l	100
48) Methyl methacrylate	9.46	41	8326	2.711	ug/l	96
49) 1,4-Dioxane	9.46	88	1874	67.735	ug/l #	90
51) 4-Methyl-2-Pentanone	10.23	43	39764	13.450	ug/l	96
52) Toluene	10.41	92	30485	2.771	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	15760	2.578	ug/l	89
54) cis-1,3-Dichloropropene	10.10	75	18953	2.632	ug/l	96
55) 1,1,2-Trichloroethane	10.81	97	8370	2.751	ug/l #	89
56) Ethyl methacrylate	10.67	69	11617	2.644	ug/l	94
57) 1,3-Dichloropropane	10.95	76	14909	2.725	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	26981	13.377	ug/l	96
59) 2-Hexanone	10.98	43	25244	12.414	ug/l	95
60) Dibromochloromethane	11.14	129	11031	2.699	ug/l	95
61) 1,2-Dibromoethane	11.25	107	8630	2.819	ug/l	99
64) Tetrachloroethene	10.88	164	11854	2.944	ug/l	91
65) Chlorobenzene	11.67	112	31787	2.789	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	11339	2.668	ug/l	91
67) Ethyl Benzene	11.75	91	57447	2.701	ug/l	96
68) m/p-Xylenes	11.86	106	43824	5.528	ug/l	96
69) o-Xylene	12.18	106	20648	2.791	ug/l	98
70) Styrene	12.20	104	34196	2.689	ug/l	97
71) Bromoform	12.37	173	6827	2.855	ug/l #	99
73) Isopropylbenzene	12.48	105	55034	2.673	ug/l	100
74) N-amyl acetate	12.30	43	14843	2.526	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.73	83	10309	2.986	ug/l	93
76) 1,2,3-Trichloropropane	12.79	75	6717	2.927	ug/l #	100
77) Bromobenzene	12.77	156	12826	2.717	ug/l	97
78) n-propylbenzene	12.83	91	66960	2.763	ug/l	99
79) 2-Chlorotoluene	12.91	91	36134	2.639	ug/l	97
80) 1,3,5-Trimethylbenzene	12.97	105	45646	2.701	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	3552m	2.740	ug/l	
82) 4-Chlorotoluene	13.01	91	38904	2.715	ug/l	99
83) tert-Butylbenzene	13.23	119	40493	2.815	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	44029	2.615	ug/l	99
85) sec-Butylbenzene	13.41	105	53760	2.664	ug/l	99
86) p-Isopropyltoluene	13.53	119	50847	2.765	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	25426	2.866	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	25950	2.965	ug/l	91
89) n-Butylbenzene	13.86	91	47281	2.654	ug/l	99
90) Hexachloroethane	14.12	117	10279	2.807	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	21417	2.798	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.52	75	1771	3.052	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	17394	3.028	ug/l	99
94) Hexachlorobutadiene	15.28	225	9579	2.878	ug/l	95
95) Naphthalene	15.41	128	29974	2.969	ug/l	96
96) 1,2,3-Trichlorobenzene	15.61	180	15310	3.133	ug/l	99

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

