

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030320\
 Data File : VD065393.D
 Acq On : 03 Mar 2020 14:36
 Operator : VA/SY
 Sample : L1161-01 2.5PPBLOD
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0307

Manual Integrations
 APPROVED

MMDadoda
 3/4/2020 2:01:34 PM

Quant Time: Mar 04 06:18:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 04 05:56:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	406892	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	633050	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	574450	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	281938	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	196316	53.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.26%	
35) Dibromofluoromethane	7.92	113	210470	54.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.06%	
50) Toluene-d8	10.34	98	768225	52.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.12%	
62) 4-Bromofluorobenzene	12.64	95	246179	52.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.98	85	10802	3.165	ug/l	89
3) Chloromethane	2.21	50	11217	2.582	ug/l	95
4) Vinyl Chloride	2.35	62	11921	2.699	ug/l	93
5) Bromomethane	2.77	94	8943	3.349	ug/l	100
6) Chloroethane	2.93	64	7417	2.751	ug/l #	84
7) Trichlorofluoromethane	3.28	101	18828	2.977	ug/l	92
8) Diethyl Ether	3.71	74	5435	2.847	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	11655	2.918	ug/l	97
10) Methyl Iodide	4.30	142	9480	2.286	ug/l	98
11) Tert butyl alcohol	5.27	59	2355	10.767	ug/l #	72
12) 1,1-Dichloroethene	4.06	96	10955	2.904	ug/l	91
13) Acrolein	3.93	56	3716	11.412	ug/l	97
14) Allyl chloride	4.71	41	15917	2.598	ug/l	98
15) Acrylonitrile	5.44	53	10659	12.612	ug/l	97
16) Acetone	4.17	43	12582	14.061	ug/l	97
17) Carbon Disulfide	4.40	76	34881	2.758	ug/l	98
18) Methyl Acetate	4.72	43	8495	4.221	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	18422	2.342	ug/l	100
20) Methylene Chloride	4.97	84	23042	5.073	ug/l #	77
21) trans-1,2-Dichloroethene	5.47	96	11729	2.735	ug/l	90
22) Diisopropyl ether	6.37	45	25286	2.141	ug/l	99
23) Vinyl Acetate	6.31	43	54162	8.319	ug/l	95
24) 1,1-Dichloroethane	6.26	63	20247	2.764	ug/l	99
25) 2-Butanone	7.23	43	13727	12.125	ug/l	94
26) 2,2-Dichloropropane	7.21	77	18254	2.872	ug/l	95
27) cis-1,2-Dichloroethene	7.21	96	12225	2.691	ug/l	95
28) Bromochloromethane	7.55	49	8440	3.106	ug/l #	100
29) Tetrahydrofuran	7.56	42	7952	11.988	ug/l	94
30) Chloroform	7.72	83	22250	3.015	ug/l	93
31) Cyclohexane	7.99	56	24688	3.430	ug/l #	74
32) 1,1,1-Trichloroethane	7.91	97	18589	2.815	ug/l	99
36) 1,1-Dichloropropene	8.11	75	15693	2.548	ug/l	99
37) Ethyl Acetate	7.31	43	4267	1.657	ug/l #	93
38) Carbon Tetrachloride	8.10	117	17395	2.774	ug/l #	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	16907	2.335	ug/l	91
40) Benzene	8.36	78	44935	2.585	ug/l	92
41) Methacrylonitrile	7.53	41	3056	2.055	ug/l #	85
42) 1,2-Dichloroethane	8.43	62	13407	2.805	ug/l	98
43) Isopropyl Acetate	8.46	43	10897	2.327	ug/l	94
44) Trichloroethene	9.11	130	12911	2.679	ug/l	96
45) 1,2-Dichloropropane	9.39	63	11596	2.682	ug/l	98
46) Dibromomethane	9.48	93	5669	2.549	ug/l	98
47) Bromodichloromethane	9.67	83	15331	2.615	ug/l	97
48) Methyl methacrylate	9.47	41	5236	2.419	ug/l	95
49) 1,4-Dioxane	9.46	88	1141	43.736	ug/l #	47
51) 4-Methyl-2-Pentanone	10.23	43	24783	10.420	ug/l	97
52) Toluene	10.41	92	28822	2.678	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	13595	2.502	ug/l #	86
54) cis-1,3-Dichloropropene	10.10	75	15329	2.336	ug/l	92
55) 1,1,2-Trichloroethane	10.81	97	8466	2.704	ug/l #	92
56) Ethyl methacrylate	10.67	69	7507	2.077	ug/l	93
57) 1,3-Dichloropropane	10.95	76	14108	2.648	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	17509	15.368	ug/l	99
59) 2-Hexanone	10.99	43	17322	10.174	ug/l	97
60) Dibromochloromethane	11.14	129	10624	2.651	ug/l	100
61) 1,2-Dibromoethane	11.24	107	7578	2.556	ug/l	100
64) Tetrachloroethene	10.88	164	12981	3.186	ug/l #	90
65) Chlorobenzene	11.68	112	30626	2.657	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.74	131	11051	2.569	ug/l	95
67) Ethyl Benzene	11.75	91	47103	2.333	ug/l	97
68) m/p-Xylenes	11.86	106	34603	4.480	ug/l	99
69) o-Xylene	12.18	106	14552	2.126	ug/l	98
70) Styrene	12.20	104	26118	2.150	ug/l	99
71) Bromoform	12.37	173	6256	2.621	ug/l #	94
73) Isopropylbenzene	12.48	105	39041	2.092	ug/l	98
74) N-amyl acetate	12.30	43	8265	1.993	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.74	83	9081	2.696	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	7232m	3.015	ug/l	
77) Bromobenzene	12.77	156	12333	2.661	ug/l	96
78) n-propylbenzene	12.83	91	53294	2.376	ug/l	99
79) 2-Chlorotoluene	12.91	91	29749	2.367	ug/l	94
80) 1,3,5-Trimethylbenzene	12.97	105	32337	2.103	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.64	75	116814	105.145	ug/l #	11
82) 4-Chlorotoluene	13.01	91	31329	2.348	ug/l	98
83) tert-Butylbenzene	13.23	119	27033	2.098	ug/l	94
84) 1,2,4-Trimethylbenzene	13.28	105	31613	2.054	ug/l	95
85) sec-Butylbenzene	13.41	105	40307	2.171	ug/l	99
86) p-Isopropyltoluene	13.53	119	34490	2.031	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	23566	2.630	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	24161	2.732	ug/l	90
89) n-Butylbenzene	13.85	91	35819	2.289	ug/l	97
90) Hexachloroethane	14.12	117	8782	2.547	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	19862	2.582	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.53	75	1388	2.674	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	12511	2.486	ug/l	95
94) Hexachlorobutadiene	15.28	225	8908	2.759	ug/l	96
95) Naphthalene	15.41	128	17348	2.120	ug/l	97
96) 1,2,3-Trichlorobenzene	15.61	180	11248	2.559	ug/l	92

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

