

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070720\
 Data File : VD065930.D
 Acq On : 07 Jul 2020 19:32
 Operator : VA/SY
 Sample : L3216-01 2.5PPBLOD
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

Manual Integrations
 APPROVED

MMDadoda
 7/8/2020 12:05:19 PM

Quant Time: Jul 08 10:07:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D070720S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 08 09:45:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	387307	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	613444	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	567032	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	271798	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	182881	53.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.56%	
35) Dibromofluoromethane	7.91	113	191581	50.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.26%	
50) Toluene-d8	10.34	98	695269	50.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.70%	
62) 4-Bromofluorobenzene	12.64	95	244024	51.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	11326	3.289	ug/l	93
3) Chloromethane	2.21	50	10288	3.014	ug/l	96
4) Vinyl Chloride	2.35	62	8858	2.826	ug/l	90
5) Bromomethane	2.77	94	6073	3.059	ug/l	100
6) Chloroethane	2.93	64	5726	3.056	ug/l	99
7) Trichlorofluoromethane	3.28	101	23422	3.487	ug/l	99
8) Diethyl Ether	3.70	74	5901	3.202	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.10	101	13384	3.331	ug/l	96
10) Methyl Iodide	4.30	142	10437	2.735	ug/l	96
11) Tert butyl alcohol	5.20	59	9504m	38.610	ug/l	
12) 1,1-Dichloroethene	4.08	96	11975	3.190	ug/l	82
13) Acrolein	3.93	56	3250	16.048	ug/l #	64
14) Allyl chloride	4.73	41	19104	3.003	ug/l #	25
15) Acrylonitrile	5.42	53	12343	15.298	ug/l	99
16) Acetone	4.16	43	12322	15.318	ug/l	99
17) Carbon Disulfide	4.41	76	36842	3.080	ug/l	99
18) Methyl Acetate	4.73	43	7065	3.747	ug/l	96
19) Methyl tert-butyl Ether	5.47	73	23783	2.993	ug/l #	89
20) Methylene Chloride	4.96	84	54131	9.473	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	13524	3.202	ug/l	99
22) Diisopropyl ether	6.37	45	34365	2.875	ug/l	94
23) Vinyl Acetate	6.30	43	87080	12.762	ug/l	95
24) 1,1-Dichloroethane	6.27	63	21615	3.032	ug/l	96
25) 2-Butanone	7.21	43	18258	17.177	ug/l	91
26) 2,2-Dichloropropane	7.21	77	21380	3.429	ug/l	88
27) cis-1,2-Dichloroethene	7.21	96	13722	3.024	ug/l	91
28) Bromochloromethane	7.54	49	7342	2.727	ug/l #	11
29) Tetrahydrofuran	7.57	42	9300	13.759	ug/l	92
30) Chloroform	7.71	83	21396	2.961	ug/l	98
31) Cyclohexane	7.98	56	26897	3.835	ug/l #	55
32) 1,1,1-Trichloroethane	7.90	97	19518	2.960	ug/l	97
36) 1,1-Dichloropropene	8.11	75	18844	3.110	ug/l	94
37) Ethyl Acetate	7.29	43	6443m	2.538	ug/l	
38) Carbon Tetrachloride	8.10	117	19186	2.954	ug/l #	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	21719	2.920	ug/l #	90
40) Benzene	8.35	78	49038	2.930	ug/l	96
41) Methacrylonitrile	7.53	41	3997m	2.712	ug/l	
42) 1,2-Dichloroethane	8.43	62	14174	2.989	ug/l	95
43) Isopropyl Acetate	8.46	43	13826	2.926	ug/l #	59
44) Trichloroethene	9.12	130	14430	2.934	ug/l	92
45) 1,2-Dichloropropane	9.39	63	12713	3.060	ug/l	99
46) Dibromomethane	9.47	93	6167	2.851	ug/l	96
47) Bromodichloromethane	9.66	83	16890	2.911	ug/l #	96
48) Methyl methacrylate	9.46	41	6697	2.815	ug/l #	90
49) 1,4-Dioxane	9.47	88	1283	49.925	ug/l #	78
51) 4-Methyl-2-Pentanone	10.23	43	32402	13.564	ug/l	98
52) Toluene	10.40	92	31186	2.929	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	15411	2.825	ug/l	90
54) cis-1,3-Dichloropropene	10.09	75	17526	2.659	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	9021	3.027	ug/l #	91
56) Ethyl methacrylate	10.66	69	9702	2.666	ug/l	97
57) 1,3-Dichloropropane	10.95	76	14411	2.765	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.94	63	25933	14.712	ug/l	97
59) 2-Hexanone	10.99	43	21476	13.072	ug/l	99
60) Dibromochloromethane	11.14	129	12174	2.990	ug/l	95
61) 1,2-Dibromoethane	11.25	107	8023	2.700	ug/l	91
64) Tetrachloroethene	10.88	164	14149	3.431	ug/l	91
65) Chlorobenzene	11.67	112	34269	2.999	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.74	131	12392	2.899	ug/l	95
67) Ethyl Benzene	11.75	91	60083	2.960	ug/l	100
68) m/p-Xylenes	11.86	106	44723	5.799	ug/l	96
69) o-Xylene	12.18	106	19201	2.733	ug/l	98
70) Styrene	12.20	104	33504	2.763	ug/l	98
71) Bromoform	12.36	173	7010	2.899	ug/l #	94
73) Isopropylbenzene	12.48	105	54018	2.848	ug/l	98
74) N-amyl acetate	12.29	43	11390	2.676	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	9690	3.077	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	5210m	2.285	ug/l	
77) Bromobenzene	12.76	156	14722	3.200	ug/l	95
78) n-propylbenzene	12.82	91	67316	3.027	ug/l	98
79) 2-Chlorotoluene	12.91	91	36531	2.896	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	46472	2.995	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.53	75	2679m	2.525	ug/l	
82) 4-Chlorotoluene	13.01	91	41135	3.108	ug/l	97
83) tert-Butylbenzene	13.23	119	37509	2.838	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	43860	2.840	ug/l	99
85) sec-Butylbenzene	13.40	105	55401	2.957	ug/l	98
86) p-Isopropyltoluene	13.52	119	49525	2.890	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	27525	3.197	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	27973	3.257	ug/l	86
89) n-Butylbenzene	13.84	91	46966	2.919	ug/l	98
90) Hexachloroethane	14.11	117	11182	3.236	ug/l	96
91) 1,2-Dichlorobenzene	13.89	146	23054	3.064	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.51	75	1748	3.319	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	16269	3.034	ug/l	98
94) Hexachlorobutadiene	15.27	225	10186	3.140	ug/l	98
95) Naphthalene	15.40	128	27264	3.031	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	15994	3.458	ug/l	97

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

