

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030520\
 Data File : VD065434.D
 Acq On : 05 Mar 2020 16:37
 Operator : VA/SY
 Sample : L1161-03 4PPBMDL
 Misc : 6.83G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT1-2020DL

Manual Integrations
 APPROVED

MMDadoda
 3/6/2020 11:17:33 AM

Quant Time: Mar 06 04:26:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 06 04:16:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	426498	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	665775	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	612055	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	300625	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	200660	54.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.70%	
35) Dibromofluoromethane	7.92	113	211968	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	
50) Toluene-d8	10.34	98	787098	49.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.66%	
62) 4-Bromofluorobenzene	12.64	95	246035	50.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	14149	3.860	ug/l	90
3) Chloromethane	2.21	50	19826	4.480	ug/l	99
4) Vinyl Chloride	2.35	62	18404	4.216	ug/l	93
5) Bromomethane	2.77	94	13141	4.708	ug/l	91
6) Chloroethane	2.93	64	11656	4.360	ug/l	95
7) Trichlorofluoromethane	3.28	101	29119	4.527	ug/l	88
8) Diethyl Ether	3.70	74	8005	4.185	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	4.09	101	18155	4.383	ug/l	96
10) Methyl Iodide	4.30	142	13306	3.092	ug/l	96
11) Tert butyl alcohol	5.25	59	3879	18.485	ug/l #	76
12) 1,1-Dichloroethene	4.06	96	16039	4.044	ug/l	81
13) Acrolein	3.93	56	7727	21.351	ug/l	98
14) Allyl chloride	4.71	41	24044	3.946	ug/l	98
15) Acrylonitrile	5.43	53	16993	20.422	ug/l	98
16) Acetone	4.16	43	15561	21.031	ug/l	93
17) Carbon Disulfide	4.40	76	53693	4.065	ug/l	97
18) Methyl Acetate	4.73	43	9044	4.819	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	28526	3.740	ug/l	98
20) Methylene Chloride	4.97	84	27564	6.022	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	18452	4.182	ug/l	95
22) Diisopropyl ether	6.36	45	41940	3.703	ug/l #	94
23) Vinyl Acetate	6.31	43	104192	16.567	ug/l	99
24) 1,1-Dichloroethane	6.26	63	30916	4.255	ug/l	97
25) 2-Butanone	7.22	43	18912	18.730	ug/l #	88
26) 2,2-Dichloropropane	7.21	77	25451	4.009	ug/l	98
27) cis-1,2-Dichloroethene	7.22	96	18459	4.093	ug/l	97
28) Bromochloromethane	7.55	49	13176	4.533	ug/l	98
29) Tetrahydrofuran	7.57	42	12314	19.097	ug/l	94
30) Chloroform	7.71	83	32581	4.487	ug/l	92
31) Cyclohexane	7.98	56	31932	4.395	ug/l #	81
32) 1,1,1-Trichloroethane	7.91	97	28597	4.261	ug/l	95
36) 1,1-Dichloropropene	8.11	75	24985	3.915	ug/l	97
37) Ethyl Acetate	7.30	43	8686	3.521	ug/l #	94
38) Carbon Tetrachloride	8.10	117	25697	3.883	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	25972	3.370	ug/l	93
40) Benzene	8.35	78	69027	3.868	ug/l	96
41) Methacrylonitrile	7.52	41	4847	3.716	ug/l #	84
42) 1,2-Dichloroethane	8.43	62	20951	4.497	ug/l	96
43) Isopropyl Acetate	8.46	43	17977	3.947	ug/l	98
44) Trichloroethene	9.11	130	19932	3.955	ug/l	88
45) 1,2-Dichloropropane	9.39	63	16935	3.918	ug/l	99
46) Dibromomethane	9.47	93	9159	4.085	ug/l	99
47) Bromodichloromethane	9.66	83	23999	4.115	ug/l	100
48) Methyl methacrylate	9.46	41	7959	3.715	ug/l	94
49) 1,4-Dioxane	9.47	88	1923	74.985	ug/l	90
51) 4-Methyl-2-Pentanone	10.23	43	39545	17.254	ug/l	93
52) Toluene	10.41	92	44563	3.964	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	20883	3.831	ug/l	91
54) cis-1,3-Dichloropropene	10.10	75	24493	3.712	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	13790	4.343	ug/l #	88
56) Ethyl methacrylate	10.67	69	12523	3.498	ug/l	98
57) 1,3-Dichloropropane	10.95	76	21506	4.003	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	18581	16.095	ug/l	97
59) 2-Hexanone	10.99	43	27521	17.346	ug/l	89
60) Dibromochloromethane	11.14	129	16996	4.176	ug/l	100
61) 1,2-Dibromoethane	11.26	107	12507	4.129	ug/l	94
64) Tetrachloroethene	10.87	164	17926	4.087	ug/l	84
65) Chlorobenzene	11.67	112	49873	4.118	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	17215	3.903	ug/l	96
67) Ethyl Benzene	11.75	91	73715	3.522	ug/l	97
68) m/p-Xylenes	11.86	106	54931	6.807	ug/l	100
69) o-Xylene	12.18	106	23899	3.367	ug/l	97
70) Styrene	12.20	104	41618	3.331	ug/l	98
71) Bromoform	12.36	173	9722	3.924	ug/l #	99
73) Isopropylbenzene	12.48	105	63958	3.235	ug/l	100
74) N-amyl acetate	12.29	43	12948	3.199	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	14428	4.151	ug/l	93
76) 1,2,3-Trichloropropane	12.79	75	9271m	3.908	ug/l	
77) Bromobenzene	12.77	156	18896	3.846	ug/l	98
78) n-propylbenzene	12.83	91	83502	3.559	ug/l	99
79) 2-Chlorotoluene	12.91	91	47521	3.594	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	53693	3.303	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	3871	3.444	ug/l	96
82) 4-Chlorotoluene	13.01	91	50599	3.642	ug/l	98
83) tert-Butylbenzene	13.23	119	43708	3.178	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	50348	3.142	ug/l	100
85) sec-Butylbenzene	13.41	105	63127	3.216	ug/l	98
86) p-Isopropyltoluene	13.53	119	54363	3.035	ug/l	97
87) 1,3-Dichlorobenzene	13.53	146	36630	3.878	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	38285	4.075	ug/l	92
89) n-Butylbenzene	13.86	91	52610	3.177	ug/l	99
90) Hexachloroethane	14.12	117	14233	3.858	ug/l	92
91) 1,2-Dichlorobenzene	13.90	146	30836	3.836	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	2218	4.190	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	20017	3.674	ug/l	93
94) Hexachlorobutadiene	15.28	225	13578	3.793	ug/l	98
95) Naphthalene	15.41	128	26460	3.037	ug/l	96
96) 1,2,3-Trichlorobenzene	15.61	180	16657	3.538	ug/l	94

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

