

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030520\
 Data File : VY001872.D
 Acq On : 05 Mar 2020 11:38
 Operator : SY/MD
 Sample : L1161-03 2.5PPBMDL
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 3/6/2020 11:16:51 AM

Quant Time: Mar 06 05:52:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	168450	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.70	114	303637	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.49	117	269863	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.42	152	123548	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	91934	51.12	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	102.24%	
35) Dibromofluoromethane	7.74	113	84830	51.16	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	102.32%	
50) Toluene-d8	10.19	98	359852	51.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.94%	
62) 4-Bromofluorobenzene	12.49	95	122478	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	4586	2.949	ug/l	88
3) Chloromethane	2.12	50	7426	3.542	ug/l	95
4) Vinyl Chloride	2.26	62	5982	2.805	ug/l #	87
5) Bromomethane	2.66	94	4715	3.333	ug/l	87
6) Chloroethane	2.81	64	3968	2.962	ug/l	96
7) Trichlorofluoromethane	3.14	101	8441	2.919	ug/l	93
8) Diethyl Ether	3.55	74	3005	2.636	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	3.92	101	4916	2.643	ug/l	92
10) Methyl Iodide	4.10	142	4970	2.311	ug/l	100
11) Tert butyl alcohol	4.98	59	2800	12.755	ug/l #	83
12) 1,1-Dichloroethene	3.90	96	5289	2.824	ug/l	90
13) Acrolein	3.75	56	3116	12.331	ug/l	86
14) Allyl chloride	4.50	41	9073	2.733	ug/l	98
15) Acrylonitrile	5.19	53	7970	13.086	ug/l	98
16) Acetone	3.97	43	7009	13.382	ug/l	97
17) Carbon Disulfide	4.21	76	16842	2.675	ug/l	99
18) Methyl Acetate	4.51	43	3869	2.875	ug/l	95
19) Methyl tert-butyl Ether	5.24	73	12734	2.509	ug/l #	77
20) Methylene Chloride	4.74	84	13358	5.951	ug/l	97
21) trans-1,2-Dichloroethene	5.24	96	5716	2.689	ug/l	87
22) Diisopropyl ether	6.14	45	17729	2.605	ug/l #	88
23) Vinyl Acetate	6.08	43	56302	12.619	ug/l	96
24) 1,1-Dichloroethane	6.04	63	10007	2.715	ug/l	94
25) 2-Butanone	7.00	43	9865	12.385	ug/l	92
26) 2,2-Dichloropropane	7.00	77	7801	2.579	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	6310	2.729	ug/l	100
28) Bromochloromethane	7.36	49	4449	2.678	ug/l	99
29) Tetrahydrofuran	7.36	42	7199	13.610	ug/l	98
30) Chloroform	7.53	83	9593	2.770	ug/l	93
31) Cyclohexane	7.80	56	13276	3.360	ug/l #	68
32) 1,1,1-Trichloroethane	7.72	97	7744	2.653	ug/l	95
36) 1,1-Dichloropropene	7.93	75	7890	2.700	ug/l	98
37) Ethyl Acetate	7.10	43	4460	2.626	ug/l	98
38) Carbon Tetrachloride	7.92	117	6701	2.685	ug/l #	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	10664	2.752	ug/l	98
40) Benzene	8.18	78	23530	2.717	ug/l	99
41) Methacrylonitrile	7.33	41	2261	2.958	ug/l #	1
42) 1,2-Dichloroethane	8.26	62	6162	2.761	ug/l	98
43) Isopropyl Acetate	8.28	43	7943	2.470	ug/l	98
44) Trichloroethene	8.96	130	6327	3.000	ug/l	81
45) 1,2-Dichloropropane	9.22	63	5967	2.741	ug/l	89
46) Dibromomethane	9.32	93	2988	2.663	ug/l	99
47) Bromodichloromethane	9.50	83	6710	2.571	ug/l	98
48) Methyl methacrylate	9.30	41	3920	2.748	ug/l	97
49) 1,4-Dioxane	9.30	88	706	45.925	ug/l #	95
51) 4-Methyl-2-Pentanone	10.08	43	20902	12.622	ug/l	99
52) Toluene	10.25	92	14659	2.786	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	7041	2.476	ug/l	89
54) cis-1,3-Dichloropropene	9.94	75	8597	2.540	ug/l	96
55) 1,1,2-Trichloroethane	10.66	97	4401	2.680	ug/l	89
56) Ethyl methacrylate	10.52	69	5682	2.361	ug/l #	90
57) 1,3-Dichloropropane	10.80	76	7587	2.592	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.79	63	10383	10.881	ug/l	99
59) 2-Hexanone	10.84	43	15059	12.740	ug/l	98
60) Dibromochloromethane	10.99	129	4126	2.385	ug/l	98
61) 1,2-Dibromoethane	11.10	107	3954	2.542	ug/l	95
64) Tetrachloroethene	10.72	164	4857	2.870	ug/l	90
65) Chlorobenzene	11.52	112	15183	2.824	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.60	131	4641	2.632	ug/l	97
67) Ethyl Benzene	11.60	91	26724	2.665	ug/l	98
68) m/p-Xylenes	11.70	106	19689	5.310	ug/l	97
69) o-Xylene	12.03	106	9325	2.668	ug/l	100
70) Styrene	12.05	104	15737	2.629	ug/l	99
71) Bromoform	12.20	173	2477	2.590	ug/l #	92
73) Isopropylbenzene	12.33	105	25945	2.751	ug/l	100
74) N-amyl acetate	12.14	43	7250	2.501	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.59	83	4975	2.446	ug/l	97
76) 1,2,3-Trichloropropane	12.64	75	3157m	2.154	ug/l	
77) Bromobenzene	12.61	156	5567	2.786	ug/l	96
78) n-propylbenzene	12.67	91	31929	2.744	ug/l	100
79) 2-Chlorotoluene	12.76	91	17509	2.724	ug/l	96
80) 1,3,5-Trimethylbenzene	12.81	105	21206	2.731	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	1579m	2.176	ug/l	
82) 4-Chlorotoluene	12.86	91	19023	2.842	ug/l	100
83) tert-Butylbenzene	13.08	119	17270	2.678	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	20688	2.685	ug/l	99
85) sec-Butylbenzene	13.25	105	25611	2.694	ug/l	98
86) p-Isopropyltoluene	13.37	119	22087	2.694	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	10911	2.786	ug/l	95
88) 1,4-Dichlorobenzene	13.45	146	11323	2.850	ug/l	86
89) n-Butylbenzene	13.70	91	22587	2.655	ug/l	97
90) Hexachloroethane	13.96	117	3879	2.508	ug/l	93
91) 1,2-Dichlorobenzene	13.74	146	10223	2.874	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.36	75	800	2.521	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	6886	2.985	ug/l	97
94) Hexachlorobutadiene	15.11	225	3223	2.866	ug/l	96
95) Naphthalene	15.24	128	14634	2.674	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	6447	3.172	ug/l	96

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

