

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY071020\
 Data File : VY003166.D
 Acq On : 10 Jul 2020 16:20
 Operator : SY/MD
 Sample : L3216-03 2.5PPBMDL
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

Manual Integrations
 APPROVED

MMDadoda
 7/13/2020 10:47:51 AM

Quant Time: Jul 11 06:58:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y071020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 10 13:18:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	477466	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	689483	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	632651	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	337358	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	199658	49.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.08%	
35) Dibromofluoromethane	7.72	113	195904	49.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.74%	
50) Toluene-d8	10.18	98	718693	48.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.44%	
62) 4-Bromofluorobenzene	12.48	95	256022	48.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	9806	2.865	ug/l	97
3) Chloromethane	2.12	50	13779	2.903	ug/l	100
4) Vinyl Chloride	2.26	62	13614	2.795	ug/l	95
5) Bromomethane	2.66	94	11042	3.052	ug/l	86
6) Chloroethane	2.80	64	8828	2.760	ug/l	96
7) Trichlorofluoromethane	3.13	101	20146	2.897	ug/l	97
8) Diethyl Ether	3.54	74	6724	2.885	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.91	101	12640	3.009	ug/l	96
10) Methyl Iodide	4.10	142	11779	2.581	ug/l	100
11) Tert butyl alcohol	4.96	59	7120	16.339	ug/l #	85
12) 1,1-Dichloroethene	3.87	96	11282	2.840	ug/l	88
13) Acrolein	3.74	56	5835	15.427	ug/l	85
14) Allyl chloride	4.49	41	14814	2.513	ug/l	93
15) Acrylonitrile	5.18	53	15243	13.615	ug/l #	89
16) Acetone	3.95	43	14661	16.287	ug/l #	85
17) Carbon Disulfide	4.21	76	32557	2.670	ug/l	99
18) Methyl Acetate	4.49	43	8166	3.267	ug/l	90
19) Methyl tert-butyl Ether	5.22	73	29182	2.621	ug/l	96
20) Methylene Chloride	4.72	84	41974	7.844	ug/l	96
21) trans-1,2-Dichloroethene	5.22	96	12985	2.889	ug/l	90
22) Diisopropyl ether	6.13	45	34756	2.656	ug/l #	95
23) Vinyl Acetate	6.07	43	105032	12.044	ug/l	98
24) 1,1-Dichloroethane	6.03	63	20175	2.661	ug/l	97
25) 2-Butanone	7.00	43	20054	13.568	ug/l	98
26) 2,2-Dichloropropane	6.99	77	17762	2.602	ug/l	95
27) cis-1,2-Dichloroethene	6.99	96	13543	2.737	ug/l	95
28) Bromochloromethane	7.34	49	8899	2.712	ug/l	99
29) Tetrahydrofuran	7.36	42	13194	13.288	ug/l	99
30) Chloroform	7.52	83	20869	2.673	ug/l	98
31) Cyclohexane	7.79	56	27700	3.779	ug/l #	66
32) 1,1,1-Trichloroethane	7.71	97	18868	2.684	ug/l	98
36) 1,1-Dichloropropene	7.93	75	16701	2.673	ug/l	99
37) Ethyl Acetate	7.09	43	9145	2.717	ug/l #	94
38) Carbon Tetrachloride	7.91	117	16914	2.622	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	21357	2.721	ug/l	99
40) Benzene	8.17	78	47807	2.778	ug/l #	88
41) Methacrylonitrile	7.33	41	6315m	3.116	ug/l	
42) 1,2-Dichloroethane	8.24	62	15182	2.866	ug/l	98
43) Isopropyl Acetate	8.28	43	16446	2.525	ug/l	97
44) Trichloroethene	8.94	130	14861	2.817	ug/l	84
45) 1,2-Dichloropropane	9.22	63	12219	2.744	ug/l	93
46) Dibromomethane	9.31	93	7023	2.701	ug/l	99
47) Bromodichloromethane	9.50	83	15892	2.570	ug/l	96
48) Methyl methacrylate	9.30	41	7659	2.630	ug/l	96
49) 1,4-Dioxane	9.30	88	1973	59.782	ug/l #	77
51) 4-Methyl-2-Pentanone	10.07	43	42702	12.612	ug/l	99
52) Toluene	10.25	92	29679	2.699	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	16855	2.630	ug/l	93
54) cis-1,3-Dichloropropene	9.92	75	18275	2.475	ug/l	92
55) 1,1,2-Trichloroethane	10.64	97	9462	2.568	ug/l	91
56) Ethyl methacrylate	10.51	69	11634	2.322	ug/l	96
57) 1,3-Dichloropropane	10.79	76	15950	2.553	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	31071	12.161	ug/l	96
59) 2-Hexanone	10.83	43	28149	11.910	ug/l	97
60) Dibromochloromethane	10.99	129	11422	2.464	ug/l	93
61) 1,2-Dibromoethane	11.09	107	9563	2.629	ug/l	96
64) Tetrachloroethene	10.72	164	16174	2.867	ug/l	93
65) Chlorobenzene	11.52	112	32216	2.643	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	11859	2.505	ug/l	96
67) Ethyl Benzene	11.59	91	58083	2.669	ug/l	100
68) m/p-Xylenes	11.70	106	43885	5.315	ug/l	100
69) o-Xylene	12.03	106	19564	2.536	ug/l	96
70) Styrene	12.05	104	32767	2.483	ug/l	98
71) Bromoform	12.20	173	8006	2.577	ug/l #	93
73) Isopropylbenzene	12.33	105	56202	2.614	ug/l	99
74) N-amyl acetate	12.14	43	14935	2.476	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.58	83	11204	2.698	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	8387m	2.809	ug/l	
77) Bromobenzene	12.61	156	14657	2.675	ug/l	99
78) n-propylbenzene	12.67	91	68283	2.694	ug/l	97
79) 2-Chlorotoluene	12.75	91	36946	2.613	ug/l	97
80) 1,3,5-Trimethylbenzene	12.81	105	46816	2.613	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	4014	2.616	ug/l	99
82) 4-Chlorotoluene	12.85	91	39792	2.696	ug/l	98
83) tert-Butylbenzene	13.07	119	42436	2.684	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	47821	2.652	ug/l	95
85) sec-Butylbenzene	13.25	105	58104	2.674	ug/l	98
86) p-Isopropyltoluene	13.37	119	54868	2.704	ug/l	98
87) 1,3-Dichlorobenzene	13.36	146	29541	2.851	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	28846	2.811	ug/l	85
89) n-Butylbenzene	13.69	91	53052	2.780	ug/l	99
90) Hexachloroethane	13.95	117	9831	2.661	ug/l	98
91) 1,2-Dichlorobenzene	13.73	146	26313	2.893	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	2322	3.449	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	22044	3.407	ug/l	98
94) Hexachlorobutadiene	15.11	225	13589	3.065	ug/l	98
95) Naphthalene	15.23	128	35034	3.277	ug/l	98
96) 1,2,3-Trichlorobenzene	15.42	180	18226	3.564	ug/l	99

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

