

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050720\
 Data File : VY002622.D
 Acq On : 07 May 2020 11:46
 Operator : SY/MD
 Sample : L2182-03 2.5PPBMDL
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT2-2020DL

Manual Integrations
 APPROVED

MMDadoda
 5/8/2020 1:23:47 PM

Quant Time: May 08 08:16:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 04 12:22:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	360890	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	537646	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	489585	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	252131	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	148254	48.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.72%	
35) Dibromofluoromethane	7.74	113	153437	49.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.80%	
50) Toluene-d8	10.19	98	608436	50.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.34%	
62) 4-Bromofluorobenzene	12.49	95	204475	50.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	6781	2.474	ug/l	85
3) Chloromethane	2.12	50	8027	2.745	ug/l	97
4) Vinyl Chloride	2.26	62	8622	2.554	ug/l	93
5) Bromomethane	2.66	94	7111	3.054	ug/l	88
6) Chloroethane	2.81	64	5605	2.780	ug/l #	86
7) Trichlorofluoromethane	3.14	101	13578	2.595	ug/l	95
8) Diethyl Ether	3.55	74	4827	2.745	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.92	101	8414	2.631	ug/l	99
10) Methyl Iodide	4.11	142	9841	2.259	ug/l	98
11) Tert butyl alcohol	4.97	59	5517	17.672	ug/l #	85
12) 1,1-Dichloroethene	3.89	96	8457	2.722	ug/l	93
13) Acrolein	3.75	56	2236	10.358	ug/l	87
14) Allyl chloride	4.50	41	11830	2.613	ug/l	99
15) Acrylonitrile	5.19	53	10541	12.712	ug/l	96
16) Acetone	3.96	43	8736	13.950	ug/l	99
17) Carbon Disulfide	4.21	76	24168	2.586	ug/l	99
18) Methyl Acetate	4.50	43	6494	3.104	ug/l	100
19) Methyl tert-butyl Ether	5.24	73	20644	2.547	ug/l	94
20) Methylene Chloride	4.74	84	13465	3.845	ug/l	96
21) trans-1,2-Dichloroethene	5.24	96	9076	2.673	ug/l	94
22) Diisopropyl ether	6.14	45	23882	2.608	ug/l #	90
23) Vinyl Acetate	6.09	43	69823	12.122	ug/l	100
24) 1,1-Dichloroethane	6.05	63	14200	2.621	ug/l	98
25) 2-Butanone	7.01	43	14171	13.824	ug/l	94
26) 2,2-Dichloropropane	7.00	77	15326	2.976	ug/l	94
27) cis-1,2-Dichloroethene	7.01	96	9986	2.658	ug/l	92
28) Bromochloromethane	7.35	49	5805	2.615	ug/l	100
29) Tetrahydrofuran	7.37	42	9121	13.448	ug/l	99
30) Chloroform	7.53	83	15150	2.689	ug/l	94
31) Cyclohexane	7.80	56	19024	3.488	ug/l #	63
32) 1,1,1-Trichloroethane	7.72	97	13786	2.633	ug/l	95
36) 1,1-Dichloropropene	7.93	75	12092	2.683	ug/l	98
37) Ethyl Acetate	7.10	43	6453	2.786	ug/l	97
38) Carbon Tetrachloride	7.92	117	12773	2.596	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	15914	2.673	ug/l	95
40) Benzene	8.18	78	34522	2.652	ug/l	99
41) Methacrylonitrile	7.35	41	3413m	2.741	ug/l	
42) 1,2-Dichloroethane	8.25	62	9861	2.701	ug/l	96
43) Isopropyl Acetate	8.28	43	10745	2.475	ug/l	98
44) Trichloroethene	8.95	130	10805	2.656	ug/l	95
45) 1,2-Dichloropropane	9.23	63	8388	2.670	ug/l	92
46) Dibromomethane	9.31	93	4610	2.550	ug/l	95
47) Bromodichloromethane	9.50	83	11362	2.585	ug/l	92
48) Methyl methacrylate	9.30	41	4637	2.360	ug/l	95
49) 1,4-Dioxane	9.31	88	1327	55.445	ug/l	92
51) 4-Methyl-2-Pentanone	10.08	43	33346	14.900	ug/l	100
52) Toluene	10.25	92	22082	2.639	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	11752	2.552	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	13137	2.468	ug/l	97
55) 1,1,2-Trichloroethane	10.65	97	7243	2.748	ug/l	96
56) Ethyl methacrylate	10.52	69	8581	2.447	ug/l	98
57) 1,3-Dichloropropane	10.80	76	12291	2.749	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.79	63	23957	12.955	ug/l	97
59) 2-Hexanone	10.84	43	19101	12.400	ug/l	97
60) Dibromochloromethane	10.99	129	8309	2.478	ug/l	98
61) 1,2-Dibromoethane	11.10	107	6907	2.646	ug/l	95
64) Tetrachloroethene	10.73	164	12711	2.922	ug/l	97
65) Chlorobenzene	11.52	112	25263	2.714	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.60	131	9131	2.643	ug/l	97
67) Ethyl Benzene	11.60	91	42747	2.615	ug/l	95
68) m/p-Xylenes	11.70	106	33744	5.335	ug/l	97
69) o-Xylene	12.03	106	15217	2.569	ug/l	98
70) Styrene	12.05	104	25562	2.525	ug/l	99
71) Bromoform	12.21	173	5409	2.523	ug/l #	99
73) Isopropylbenzene	12.33	105	42855	2.623	ug/l	98
74) N-amyl acetate	12.15	43	9861	2.509	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.59	83	6444	2.480	ug/l	91
76) 1,2,3-Trichloropropane	12.64	75	5620m	2.508	ug/l	
77) Bromobenzene	12.61	156	10834	2.654	ug/l	98
78) n-propylbenzene	12.67	91	50321	2.654	ug/l	99
79) 2-Chlorotoluene	12.76	91	27864	2.653	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	34640	2.557	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.39	75	2723m	2.437	ug/l	
82) 4-Chlorotoluene	12.86	91	29751	2.696	ug/l	98
83) tert-Butylbenzene	13.08	119	31266	2.633	ug/l	96
84) 1,2,4-Trimethylbenzene	13.13	105	35456	2.627	ug/l	99
85) sec-Butylbenzene	13.26	105	44240	2.684	ug/l	99
86) p-Isopropyltoluene	13.38	119	41515	2.688	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	21749	2.815	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	21884	2.860	ug/l	89
89) n-Butylbenzene	13.70	91	38975	2.773	ug/l	99
90) Hexachloroethane	13.97	117	7708	2.741	ug/l	93
91) 1,2-Dichlorobenzene	13.75	146	19455	2.822	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	1342	2.770	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	15884	3.173	ug/l	100
94) Hexachlorobutadiene	15.12	225	8795	2.927	ug/l	97
95) Naphthalene	15.24	128	29920	3.277	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	14622	3.441	ug/l	98

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

