

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030520\
 Data File : VY001873.D
 Acq On : 05 Mar 2020 11:59
 Operator : SY/MD
 Sample : L1161-03 4PPBMDL
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 3/6/2020 11:16:52 AM

Quant Time: Mar 06 05:54:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 06 05:47:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	169203	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.70	114	303506	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.49	117	270607	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.43	152	124248	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	92873	51.41	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	102.82%	
35) Dibromofluoromethane	7.74	113	86044	51.92	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	103.84%	
50) Toluene-d8	10.19	98	359783	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	
62) 4-Bromofluorobenzene	12.49	95	121085	49.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	6529	4.180	ug/l	99
3) Chloromethane	2.12	50	9992	4.745	ug/l	97
4) Vinyl Chloride	2.26	62	9037	4.219	ug/l	100
5) Bromomethane	2.66	94	6660	4.687	ug/l	96
6) Chloroethane	2.80	64	5957	4.427	ug/l	94
7) Trichlorofluoromethane	3.14	101	12854	4.425	ug/l	100
8) Diethyl Ether	3.54	74	4550	3.974	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.92	101	7615	4.076	ug/l	98
10) Methyl Iodide	4.11	142	7204	3.334	ug/l	99
11) Tert butyl alcohol	4.97	59	3920	17.778	ug/l #	74
12) 1,1-Dichloroethene	3.89	96	7786	4.139	ug/l	97
13) Acrolein	3.75	56	4750	18.713	ug/l	89
14) Allyl chloride	4.49	41	13328	3.996	ug/l	99
15) Acrylonitrile	5.19	53	12365	20.211	ug/l	98
16) Acetone	3.97	43	10628	20.201	ug/l	99
17) Carbon Disulfide	4.21	76	25488	4.030	ug/l #	93
18) Methyl Acetate	4.49	43	5685	4.205	ug/l	97
19) Methyl tert-butyl Ether	5.24	73	20965	4.112	ug/l	98
20) Methylene Chloride	4.74	84	16415	7.280	ug/l	96
21) trans-1,2-Dichloroethene	5.24	96	9017	4.223	ug/l	94
22) Diisopropyl ether	6.14	45	27841	4.073	ug/l	96
23) Vinyl Acetate	6.08	43	86816	19.371	ug/l	98
24) 1,1-Dichloroethane	6.04	63	15077	4.073	ug/l	97
25) 2-Butanone	7.00	43	15620	19.523	ug/l	95
26) 2,2-Dichloropropane	6.99	77	12184	4.010	ug/l	100
27) cis-1,2-Dichloroethene	7.00	96	9553	4.113	ug/l	98
28) Bromochloromethane	7.35	49	6812	4.082	ug/l #	99
29) Tetrahydrofuran	7.36	42	10215	19.226	ug/l	99
30) Chloroform	7.52	83	14576	4.191	ug/l	87
31) Cyclohexane	7.80	56	19147	4.824	ug/l #	78
32) 1,1,1-Trichloroethane	7.71	97	11961	4.080	ug/l	98
36) 1,1-Dichloropropene	7.93	75	11959	4.095	ug/l	98
37) Ethyl Acetate	7.10	43	7140	4.206	ug/l	97
38) Carbon Tetrachloride	7.91	117	10273	4.117	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	15826	4.085	ug/l	94
40) Benzene	8.17	78	36288	4.192	ug/l	97
41) Methacrylonitrile	7.33	41	3878	5.076	ug/l #	18
42) 1,2-Dichloroethane	8.25	62	9243	4.144	ug/l	100
43) Isopropyl Acetate	8.28	43	12871	4.005	ug/l	98
44) Trichloroethene	8.94	130	8360	3.965	ug/l	92
45) 1,2-Dichloropropane	9.23	63	9181	4.219	ug/l	97
46) Dibromomethane	9.32	93	4660	4.155	ug/l	97
47) Bromodichloromethane	9.50	83	10615	4.069	ug/l	91
48) Methyl methacrylate	9.30	41	6047	4.240	ug/l	99
49) 1,4-Dioxane	9.31	88	1105	71.910	ug/l #	87
51) 4-Methyl-2-Pentanone	10.08	43	32330	19.531	ug/l	98
52) Toluene	10.25	92	21981	4.180	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	11156	3.925	ug/l	93
54) cis-1,3-Dichloropropene	9.93	75	13180	3.895	ug/l	99
55) 1,1,2-Trichloroethane	10.65	97	6577	4.007	ug/l	97
56) Ethyl methacrylate	10.52	69	9319	3.874	ug/l	91
57) 1,3-Dichloropropane	10.79	76	11762	4.021	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.79	63	15997	16.771	ug/l	100
59) 2-Hexanone	10.84	43	22909	19.390	ug/l	96
60) Dibromochloromethane	10.99	129	6381	3.690	ug/l	98
61) 1,2-Dibromoethane	11.10	107	6125	3.940	ug/l	100
64) Tetrachloroethene	10.72	164	7402	4.362	ug/l	94
65) Chlorobenzene	11.52	112	22240	4.125	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.59	131	6663	3.768	ug/l	94
67) Ethyl Benzene	11.60	91	40792	4.056	ug/l	100
68) m/p-Xylenes	11.71	106	29845	8.028	ug/l	98
69) o-Xylene	12.03	106	14277	4.074	ug/l	98
70) Styrene	12.05	104	24000	3.999	ug/l	99
71) Bromoform	12.21	173	3278	3.418	ug/l #	93
73) Isopropylbenzene	12.33	105	37647	3.969	ug/l	98
74) N-amyl acetate	12.14	43	11186	3.837	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	7927	3.876	ug/l	94
76) 1,2,3-Trichloropropane	12.64	75	6227m	4.224	ug/l	
77) Bromobenzene	12.61	156	8455	4.207	ug/l	93
78) n-propylbenzene	12.67	91	47741	4.080	ug/l	99
79) 2-Chlorotoluene	12.75	91	25970	4.017	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	31886	4.084	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.38	75	2554	3.499	ug/l #	87
82) 4-Chlorotoluene	12.86	91	26766	3.976	ug/l	99
83) tert-Butylbenzene	13.08	119	25955	4.002	ug/l	100
84) 1,2,4-Trimethylbenzene	13.13	105	31267	4.035	ug/l	100
85) sec-Butylbenzene	13.25	105	38960	4.076	ug/l	98
86) p-Isopropyltoluene	13.37	119	33878	4.108	ug/l	100
87) 1,3-Dichlorobenzene	13.37	146	16384	4.161	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	17119	4.285	ug/l	91
89) n-Butylbenzene	13.70	91	34475	4.030	ug/l	98
90) Hexachloroethane	13.96	117	6052	3.890	ug/l	95
91) 1,2-Dichlorobenzene	13.74	146	14644	4.093	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	1243	3.894	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	9562	4.121	ug/l	94
94) Hexachlorobutadiene	15.11	225	4727	4.179	ug/l	98
95) Naphthalene	15.24	128	21858	3.972	ug/l	98
96) 1,2,3-Trichlorobenzene	15.43	180	8376	4.098	ug/l	98

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

