

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY071020\
 Data File : VY003167.D
 Acq On : 10 Jul 2020 16:43
 Operator : SY/MD
 Sample : L3216-03 4PPB MDL
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 7/13/2020 10:47:53 AM

Quant Time: Jul 11 07:00:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y071020S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 11 06:48:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	474209	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	697013	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	638825	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	332968	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.14	65	187593	46.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.74%	
35) Dibromofluoromethane	7.72	113	184708	46.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.10%	
50) Toluene-d8	10.18	98	676499	45.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.72%	
62) 4-Bromofluorobenzene	12.48	95	241879	44.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.80%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.91	85	15196	4.471	ug/l	100
3) Chloromethane	2.12	50	20449	4.338	ug/l	99
4) Vinyl Chloride	2.26	62	21196	4.382	ug/l	97
5) Bromomethane	2.66	94	16639	4.631	ug/l	97
6) Chloroethane	2.80	64	13040	4.104	ug/l	98
7) Trichlorofluoromethane	3.13	101	28994	4.197	ug/l	95
8) Diethyl Ether	3.53	74	9436	4.076	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.91	101	17828	4.273	ug/l	99
10) Methyl Iodide	4.10	142	17758	3.918	ug/l	98
11) Tert butyl alcohol	4.96	59	9745	22.516	ug/l	96
12) 1,1-Dichloroethene	3.88	96	17290	4.382	ug/l	95
13) Acrolein	3.74	56	8735	23.253	ug/l	99
14) Allyl chloride	4.48	41	25286	4.318	ug/l	96
15) Acrylonitrile	5.18	53	22732	20.444	ug/l	98
16) Acetone	3.96	43	20083	22.463	ug/l #	84
17) Carbon Disulfide	4.19	76	50800	4.195	ug/l	96
18) Methyl Acetate	4.49	43	11527	4.643	ug/l	98
19) Methyl tert-butyl Ether	5.24	73	46440	4.200	ug/l	91
20) Methylene Chloride	4.72	84	42828	8.058	ug/l	90
21) trans-1,2-Dichloroethene	5.23	96	18684	4.186	ug/l	88
22) Diisopropyl ether	6.13	45	53724	4.134	ug/l #	94
23) Vinyl Acetate	6.07	43	165163	19.069	ug/l	100
24) 1,1-Dichloroethane	6.02	63	31355	4.165	ug/l	96
25) 2-Butanone	6.99	43	29441	20.056	ug/l	98
26) 2,2-Dichloropropane	6.99	77	28354	4.182	ug/l	96
27) cis-1,2-Dichloroethene	6.99	96	21071	4.288	ug/l	95
28) Bromochloromethane	7.34	49	12711	3.900	ug/l #	99
29) Tetrahydrofuran	7.36	42	20600	20.890	ug/l	98
30) Chloroform	7.52	83	33397	4.307	ug/l	93
31) Cyclohexane	7.79	56	37466	5.146	ug/l #	73
32) 1,1,1-Trichloroethane	7.71	97	29346	4.204	ug/l	100
36) 1,1-Dichloropropene	7.93	75	25859	4.093	ug/l	99
37) Ethyl Acetate	7.08	43	13915	4.090	ug/l	95
38) Carbon Tetrachloride	7.91	117	25160	3.858	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	32013	4.034	ug/l	95
40) Benzene	8.16	78	71146	4.090	ug/l	98
41) Methacrylonitrile	7.33	41	8813m	4.301	ug/l	
42) 1,2-Dichloroethane	8.24	62	22164	4.139	ug/l	96
43) Isopropyl Acetate	8.27	43	25544	3.879	ug/l	96
44) Trichloroethene	8.94	130	21858	4.099	ug/l	87
45) 1,2-Dichloropropane	9.22	63	18401	4.088	ug/l	92
46) Dibromomethane	9.31	93	10876	4.137	ug/l	99
47) Bromodichloromethane	9.50	83	25114	4.017	ug/l	99
48) Methyl methacrylate	9.30	41	11110	3.774	ug/l	98
49) 1,4-Dioxane	9.30	88	2545	76.280	ug/l #	79
51) 4-Methyl-2-Pentanone	10.07	43	63875	18.662	ug/l	100
52) Toluene	10.24	92	44758	4.026	ug/l	96
53) t-1,3-Dichloropropene	10.47	75	25300	3.906	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	28816	3.861	ug/l	95
55) 1,1,2-Trichloroethane	10.64	97	14529	3.900	ug/l	95
56) Ethyl methacrylate	10.51	69	18683	3.689	ug/l	98
57) 1,3-Dichloropropane	10.79	76	25552	4.045	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	49209	19.052	ug/l	98
59) 2-Hexanone	10.83	43	43094	18.036	ug/l	97
60) Dibromochloromethane	10.99	129	18500	3.949	ug/l	95
61) 1,2-Dibromoethane	11.09	107	14883	4.048	ug/l	98
64) Tetrachloroethene	10.72	164	23275	4.086	ug/l	98
65) Chlorobenzene	11.52	112	49831	4.049	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.59	131	18721	3.917	ug/l	98
67) Ethyl Benzene	11.59	91	87695	3.991	ug/l	98
68) m/p-Xylenes	11.70	106	67520	8.099	ug/l	98
69) o-Xylene	12.03	106	30905	3.968	ug/l	98
70) Styrene	12.04	104	50260	3.772	ug/l	98
71) Bromoform	12.20	173	11881	3.787	ug/l #	100
73) Isopropylbenzene	12.33	105	82985	3.911	ug/l	100
74) N-amyl acetate	12.14	43	22335	3.751	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	15950	3.892	ug/l	93
76) 1,2,3-Trichloropropane	12.63	75	14718m	4.994	ug/l	
77) Bromobenzene	12.61	156	22435	4.148	ug/l	98
78) n-propylbenzene	12.67	91	102364	4.093	ug/l	100
79) 2-Chlorotoluene	12.75	91	57929	4.151	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	70329	3.977	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	5569	3.677	ug/l	97
82) 4-Chlorotoluene	12.85	91	60154	4.130	ug/l	99
83) tert-Butylbenzene	13.07	119	64298	4.120	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	72228	4.059	ug/l	98
85) sec-Butylbenzene	13.25	105	88360	4.120	ug/l	100
86) p-Isopropyltoluene	13.37	119	80378	4.014	ug/l	98
87) 1,3-Dichlorobenzene	13.36	146	42066	4.113	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	43073	4.253	ug/l	92
89) n-Butylbenzene	13.69	91	77859	4.133	ug/l	96
90) Hexachloroethane	13.96	117	14316	3.926	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	37463	4.174	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	2726	4.103	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	27875	4.365	ug/l	98
94) Hexachlorobutadiene	15.11	225	19284	4.407	ug/l	99
95) Naphthalene	15.23	128	44042	4.173	ug/l	98
96) 1,2,3-Trichlorobenzene	15.42	180	22595	4.476	ug/l	99

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

