

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY070720\
 Data File : VY003123.D
 Acq On : 07 Jul 2020 13:51
 Operator : SY/MD
 Sample : L3216-02 5PPBL00
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

Manual Integrations
 APPROVED

MMDadoda
 7/8/2020 12:20:44 PM

Quant Time: Jul 08 04:50:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 08 04:37:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	403752	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	586063	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	540839	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	293297	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	199218	49.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.36%	
35) Dibromofluoromethane	7.72	113	193309	52.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.76%	
50) Toluene-d8	10.18	98	714636	52.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.94%	
62) 4-Bromofluorobenzene	12.48	95	248693	51.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	16973	5.551	ug/l	95
3) Chloromethane	2.12	50	26068	5.822	ug/l	96
4) Vinyl Chloride	2.26	62	23980	5.490	ug/l	94
5) Bromomethane	2.65	94	18969	6.397	ug/l	90
6) Chloroethane	2.80	64	15218	5.477	ug/l	95
7) Trichlorofluoromethane	3.13	101	34449	5.588	ug/l	99
8) Diethyl Ether	3.53	74	11721	5.546	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.90	101	21216	5.764	ug/l	97
10) Methyl Iodide	4.10	142	23840	5.223	ug/l	99
11) Tert butyl alcohol	4.97	59	12220m	29.902	ug/l	
12) 1,1-Dichloroethene	3.88	96	20267	5.787	ug/l	83
13) Acrolein	3.74	56	8083	22.022	ug/l	94
14) Allyl chloride	4.49	41	26836	4.389	ug/l #	90
15) Acrylonitrile	5.18	53	27471	25.222	ug/l	97
16) Acetone	3.96	43	23767	25.130	ug/l	99
17) Carbon Disulfide	4.20	76	58380	5.217	ug/l	97
18) Methyl Acetate	4.49	43	17488	6.863	ug/l	95
19) Methyl tert-butyl Ether	5.24	73	55673	5.453	ug/l #	89
20) Methylene Chloride	4.72	84	35953	6.811	ug/l	93
21) trans-1,2-Dichloroethene	5.23	96	22302	5.630	ug/l	90
22) Diisopropyl ether	6.12	45	63593	4.852	ug/l #	91
23) Vinyl Acetate	6.07	43	187759	21.428	ug/l	98
24) 1,1-Dichloroethane	6.03	63	37335	5.215	ug/l	97
25) 2-Butanone	7.00	43	36050	23.996	ug/l #	87
26) 2,2-Dichloropropane	6.99	77	33329	5.124	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	24930	5.611	ug/l	93
28) Bromochloromethane	7.35	49	16124	5.062	ug/l	92
29) Tetrahydrofuran	7.36	42	24298	24.321	ug/l	91
30) Chloroform	7.52	83	39003	5.499	ug/l	97
31) Cyclohexane	7.79	56	40749	5.778	ug/l #	76
32) 1,1,1-Trichloroethane	7.71	97	33663	5.200	ug/l	99
36) 1,1-Dichloropropene	7.92	75	29346	5.198	ug/l	95
37) Ethyl Acetate	7.08	43	17056	5.025	ug/l	95
38) Carbon Tetrachloride	7.91	117	31207	5.313	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	37269	5.325	ug/l	92
40) Benzene	8.17	78	85913	5.559	ug/l	97
41) Methacrylonitrile	7.33	41	8436m	4.653	ug/l	
42) 1,2-Dichloroethane	8.25	62	26176	5.354	ug/l	96
43) Isopropyl Acetate	8.28	43	31066	4.815	ug/l	96
44) Trichloroethene	8.94	130	25640	5.708	ug/l	88
45) 1,2-Dichloropropane	9.22	63	22581	5.431	ug/l #	87
46) Dibromomethane	9.31	93	12900	5.555	ug/l	97
47) Bromodichloromethane	9.50	83	29941	5.265	ug/l	97
48) Methyl methacrylate	9.30	41	13992	4.764	ug/l	97
49) 1,4-Dioxane	9.30	88	2978	105.051	ug/l #	86
51) 4-Methyl-2-Pentanone	10.07	43	80447	24.122	ug/l	96
52) Toluene	10.24	92	52556	5.402	ug/l	95
53) t-1,3-Dichloropropene	10.47	75	29068	4.876	ug/l	97
54) cis-1,3-Dichloropropene	9.93	75	34757	5.098	ug/l	96
55) 1,1,2-Trichloroethane	10.64	97	17442	5.405	ug/l	95
56) Ethyl methacrylate	10.51	69	22555	4.828	ug/l	99
57) 1,3-Dichloropropane	10.79	76	30286	5.346	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	60847	25.398	ug/l	97
59) 2-Hexanone	10.83	43	55778	23.928	ug/l	98
60) Dibromochloromethane	10.99	129	22018	5.332	ug/l	100
61) 1,2-Dibromoethane	11.09	107	17904	5.628	ug/l	96
64) Tetrachloroethene	10.72	164	29150	6.368	ug/l	92
65) Chlorobenzene	11.52	112	59330	5.563	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	22627	5.434	ug/l	98
67) Ethyl Benzene	11.59	91	104282	5.345	ug/l	98
68) m/p-Xylenes	11.70	106	76982	10.602	ug/l	98
69) o-Xylene	12.03	106	37850	5.532	ug/l	91
70) Styrene	12.04	104	61071	5.224	ug/l	98
71) Bromoform	12.21	173	14686	5.290	ug/l #	98
73) Isopropylbenzene	12.33	105	99268	5.172	ug/l	97
74) N-amyl acetate	12.14	43	28086	4.495	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.58	83	19355	4.997	ug/l	95
76) 1,2,3-Trichloropropane	12.63	75	15130m	5.212	ug/l	
77) Bromobenzene	12.61	156	26391	5.362	ug/l	95
78) n-propylbenzene	12.67	91	120951	5.239	ug/l	99
79) 2-Chlorotoluene	12.75	91	68016	5.279	ug/l	97
80) 1,3,5-Trimethylbenzene	12.81	105	82696	5.134	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	7151	4.793	ug/l	99
82) 4-Chlorotoluene	12.85	91	70744	5.273	ug/l	98
83) tert-Butylbenzene	13.08	119	73455	5.194	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	84120	5.183	ug/l	100
85) sec-Butylbenzene	13.25	105	102500	5.258	ug/l	99
86) p-Isopropyltoluene	13.37	119	92281	5.109	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	48533	5.282	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	50417	5.564	ug/l	94
89) n-Butylbenzene	13.70	91	87773	5.078	ug/l	98
90) Hexachloroethane	13.96	117	17078	4.761	ug/l	100
91) 1,2-Dichlorobenzene	13.74	146	46105	5.593	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	3756	5.477	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	33450	5.460	ug/l	98
94) Hexachlorobutadiene	15.11	225	22104	5.721	ug/l	99
95) Naphthalene	15.23	128	56697	5.067	ug/l	98
96) 1,2,3-Trichlorobenzene	15.42	180	29080	5.467	ug/l	98

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

