

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY020320\
 Data File : VY001470.D
 Acq On : 03 Feb 2020 13:38
 Operator : SY/MD
 Sample : L1346-04
 Misc : 12.32G/5ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PD-3-(30-32)

Quant Time: Feb 03 13:54:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 01:21:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.83	168	60155	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.72	114	118723	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.52	117	133204	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.41	152	101895	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.00	65	0	0.00	ug/l	
Spiked Amount						
			Recovery	=	0.00%	
35) Dibromofluoromethane	7.75	113	68331	98.06	ug/l	0.00
Spiked Amount						
			Recovery	=	196.12%	
50) Toluene-d8	10.28	98	4430891	1636.70	ug/l	0.10
Spiked Amount						
			Recovery	=	3273.40%	
62) 4-Bromofluorobenzene	12.49	95	994377	922.34	ug/l	0.00
Spiked Amount						
			Recovery	=	1844.68%	

Target Compounds

					Qvalue
3) Chloromethane	2.12	50	1696	2.365	ug/l 91
11) Tert butyl alcohol	4.80	59	2616	13.441	ug/l # 74
13) Acrolein	3.99	56	593775	12882.820	ug/l # 71
15) Acrylonitrile	5.30	53	1989769	9626.858	ug/l # 39
16) Acetone	3.99	43	2121281	12678.904	ug/l # 53
17) Carbon Disulfide	4.22	76	36714	18.277	ug/l 99
18) Methyl Acetate	4.78	43	17948935	32516.142	ug/l # 51
19) Methyl tert-butyl Ether	5.29	73	2845	1.521	ug/l # 1
20) Methylene Chloride	4.63	84	44356	55.327	ug/l # 12
23) Vinyl Acetate	6.15	43	180507	114.958	ug/l # 90
24) 1,1-Dichloroethane	6.15	63	108616	85.199	ug/l # 81
25) 2-Butanone	7.30	43	87694	307.800	ug/l # 50
26) 2,2-Dichloropropane	6.88	77	325456	286.601	ug/l # 52
28) Bromochloromethane	7.42	49	4751	9.037	ug/l # 15
29) Tetrahydrofuran	7.41	42	121845	657.358	ug/l # 34
30) Chloroform	7.52	83	11469720	9178.855	ug/l # 21
31) Cyclohexane	7.93	56	44856893	35438.874	ug/l # 45
32) 1,1,1-Trichloroethane	7.96	97	27860	26.405	ug/l # 24
37) Ethyl Acetate	7.30	43	138765	202.491	ug/l # 1
38) Carbon Tetrachloride	7.82	117	3175	3.176	ug/l # 12
39) Methylcyclohexane	9.25	83	47346150	32950.949	ug/l # 90
41) Methacrylonitrile	7.41	41	1494913	4227.291	ug/l # 100
42) 1,2-Dichloroethane	8.40	62	130840	139.233	ug/l # 72
43) Isopropyl Acetate	8.31	43	3118250	2340.100	ug/l # 53
45) 1,2-Dichloropropane	9.23	63	615733	724.238	ug/l # 1
46) Dibromomethane	9.32	93	246106	539.207	ug/l # 1
47) Bromodichloromethane	9.56	83	6341699	5812.255	ug/l # 56
48) Methyl methacrylate	9.28	41	28444093	46954.913	ug/l # 12
49) 1,4-Dioxane	9.38	88	53	8.234	ug/l # 23
51) 4-Methyl-2-Pentanone	10.22	43	2518035	3669.353	ug/l # 36
52) Toluene	10.30	92	63007	29.554	ug/l # 1
53) t-1,3-Dichloropropene	10.43	75	1974	1.632	ug/l # 1
54) cis-1,3-Dichloropropene	9.99	75	1828	1.317	ug/l # 1
55) 1,1,2-Trichloroethane	10.70	97	12930316	19193.754	ug/l # 23

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

56) Ethyl methacrylate	10.52	69	3906245	3836.406	ug/l #	24
57) 1,3-Dichloropropane	10.83	76	2706	2.306	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.77	63	515222	1462.309	ug/l #	47
59) 2-Hexanone	10.80	43	12656582	26492.826	ug/l #	24
60) Dibromochloromethane	10.99	129	79259	105.192	ug/l #	11
61) 1,2-Dibromoethane	11.13	107	95412	149.817	ug/l #	1
65) Chlorobenzene	11.49	112	93957	33.463	ug/l #	43
67) Ethyl Benzene	11.64	91	3526091	681.454	ug/l	100
68) m/p-Xylenes	11.75	106	139453	72.159	ug/l #	1
69) o-Xylene	12.06	106	13751	7.396	ug/l #	1
73) Isopropylbenzene	12.35	105	9990516	1242.547	ug/l	99
74) N-amyl acetate	12.15	43	4202203	1596.654	ug/l #	51
75) 1,1,2,2-Tetrachloroethane	12.58	83	268371	155.853	ug/l #	38
76) 1,2,3-Trichloropropane	12.69	75	214844	174.977	ug/l #	100
77) Bromobenzene	12.60	156	13803	7.751	ug/l #	1
78) n-propylbenzene	12.69	91	21686505	2240.864	ug/l	79
79) 2-Chlorotoluene	12.69	91	21686505	3922.530	ug/l #	42
80) 1,3,5-Trimethylbenzene	12.78	105	4206190	626.715	ug/l	72
81) trans-1,4-Dichloro-2-buten	12.35	75	146390	225.622	ug/l #	3
82) 4-Chlorotoluene	12.69	91	21686505	3672.190	ug/l #	42
83) tert-Butylbenzene	13.09	119	45706	8.079	ug/l #	26
84) 1,2,4-Trimethylbenzene	13.13	105	147667	21.915	ug/l	98
85) sec-Butylbenzene	13.27	105	3315556	412.496	ug/l #	50
86) p-Isopropyltoluene	13.38	119	1052537	148.596	ug/l	93
89) n-Butylbenzene	13.70	91	5697375	799.220	ug/l #	75
90) Hexachloroethane	13.98	117	1182912	881.036	ug/l #	15
92) 1,2-Dibromo-3-Chloropropan	14.34	75	19012	63.984	ug/l #	1
95) Naphthalene	15.24	128	2027082	417.585	ug/l	99

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

