

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY070820\
 Data File : VY003134.D
 Acq On : 08 Jul 2020 13:16
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/9/2020 10:48:49 AM

Quant Time: Jul 09 02:41:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 30 04:11:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	430541	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	611045	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	554837	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	296821	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	199963	46.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.52%	
35) Dibromofluoromethane	7.72	113	200803	52.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.36%	
50) Toluene-d8	10.18	98	729975	51.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.80%	
62) 4-Bromofluorobenzene	12.48	95	257265	51.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	157671	48.356	ug/l	99
3) Chloromethane	2.11	50	214177	44.856	ug/l	100
4) Vinyl Chloride	2.26	62	234052	50.253	ug/l	97
5) Bromomethane	2.65	94	164084	51.888	ug/l	94
6) Chloroethane	2.80	64	154327	52.087	ug/l	99
7) Trichlorofluoromethane	3.13	101	343146	52.200	ug/l	98
8) Diethyl Ether	3.54	74	112723	50.019	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.90	101	213325	54.349	ug/l	99
10) Methyl Iodide	4.10	142	266446	54.744	ug/l	98
11) Tert butyl alcohol	4.96	59	100652	230.965	ug/l	100
12) 1,1-Dichloroethene	3.88	96	197259	52.819	ug/l	94
13) Acrolein	3.74	56	91310	233.290	ug/l	99
14) Allyl chloride	4.49	41	294548	45.173	ug/l	96
15) Acrylonitrile	5.17	53	280981	241.922	ug/l	100
16) Acetone	3.95	43	218882	217.033	ug/l	99
17) Carbon Disulfide	4.20	76	576086	48.280	ug/l	99
18) Methyl Acetate	4.49	43	124426	45.794	ug/l	93
19) Methyl tert-butyl Ether	5.22	73	556652	51.134	ug/l	97
20) Methylene Chloride	4.72	84	223061	49.494	ug/l	91
21) trans-1,2-Dichloroethene	5.23	96	222224	52.605	ug/l	91
22) Diisopropyl ether	6.13	45	670353	47.967	ug/l	97
23) Vinyl Acetate	6.07	43	2199296	235.381	ug/l	97
24) 1,1-Dichloroethane	6.02	63	379923	49.766	ug/l	99
25) 2-Butanone	6.99	43	361068	225.381	ug/l	97
26) 2,2-Dichloropropane	6.99	77	353732	50.999	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	248669	52.482	ug/l	95
28) Bromochloromethane	7.34	49	172057	50.653	ug/l	88
29) Tetrahydrofuran	7.35	42	244249	229.265	ug/l	92
30) Chloroform	7.51	83	396927	52.482	ug/l	99
31) Cyclohexane	7.79	56	350185	46.562	ug/l	95
32) 1,1,1-Trichloroethane	7.71	97	358807	51.974	ug/l	99
36) 1,1-Dichloropropene	7.92	75	309793	52.634	ug/l	98
37) Ethyl Acetate	7.08	43	170456	48.167	ug/l	96
38) Carbon Tetrachloride	7.91	117	331908	54.199	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	389888	53.427	ug/l	97
40) Benzene	8.16	78	854761	53.045	ug/l	98
41) Methacrylonitrile	7.33	41	108714m	57.508	ug/l	
42) 1,2-Dichloroethane	8.24	62	261480	51.294	ug/l	99
43) Isopropyl Acetate	8.28	43	323896	48.144	ug/l	95
44) Trichloroethene	8.94	130	267278	57.067	ug/l	99
45) 1,2-Dichloropropane	9.22	63	222356	51.291	ug/l	98
46) Dibromomethane	9.31	93	129669	53.554	ug/l	96
47) Bromodichloromethane	9.50	83	316134	53.322	ug/l	99
48) Methyl methacrylate	9.30	41	146649	47.890	ug/l	94
49) 1,4-Dioxane	9.30	88	32400	1096.201	ug/l	88
51) 4-Methyl-2-Pentanone	10.07	43	863340	248.286	ug/l	96
52) Toluene	10.24	92	549094	54.131	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	326810	52.576	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	375421	52.810	ug/l	97
55) 1,1,2-Trichloroethane	10.64	97	182054	54.109	ug/l	98
56) Ethyl methacrylate	10.51	69	260946	53.577	ug/l	94
57) 1,3-Dichloropropane	10.79	76	312718	52.944	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	647421	259.185	ug/l	97
59) 2-Hexanone	10.83	43	594824	244.739	ug/l	97
60) Dibromochloromethane	10.99	129	237686	55.201	ug/l	99
61) 1,2-Dibromoethane	11.09	107	180919	54.543	ug/l	99
64) Tetrachloroethene	10.72	164	288215	61.377	ug/l	97
65) Chlorobenzene	11.52	112	609722	55.732	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	239636	56.103	ug/l	99
67) Ethyl Benzene	11.59	91	1107890	55.354	ug/l	100
68) m/p-Xylenes	11.70	106	836121	112.245	ug/l	97
69) o-Xylene	12.03	106	389815	55.534	ug/l	98
70) Styrene	12.05	104	678450	56.576	ug/l	98
71) Bromoform	12.21	173	160206	56.249	ug/l #	99
73) Isopropylbenzene	12.33	105	1087423	55.979	ug/l	100
74) N-amyl acetate	12.14	43	309452	48.933	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.58	83	202153	51.567	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	158367m	53.910	ug/l	
77) Bromobenzene	12.61	156	272500	54.711	ug/l	97
78) n-propylbenzene	12.67	91	1291915	55.300	ug/l	99
79) 2-Chlorotoluene	12.75	91	710112	54.456	ug/l	97
80) 1,3,5-Trimethylbenzene	12.81	105	907615	55.679	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	78268	51.837	ug/l #	91
82) 4-Chlorotoluene	12.86	91	745494	54.909	ug/l	98
83) tert-Butylbenzene	13.08	119	804560	56.210	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	916661	55.806	ug/l	99
85) sec-Butylbenzene	13.25	105	1119318	56.735	ug/l	99
86) p-Isopropyltoluene	13.37	119	1039579	56.866	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	521514	56.084	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	514950	56.160	ug/l	99
89) n-Butylbenzene	13.70	91	993841	56.820	ug/l	99
90) Hexachloroethane	13.96	117	195972	53.985	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	465347	55.777	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	33589	48.402	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	335117	54.056	ug/l	99
94) Hexachlorobutadiene	15.11	225	226050	57.808	ug/l	97
95) Naphthalene	15.23	128	583000	51.487	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	276972	51.451	ug/l	99

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

