

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY070920\
 Data File : VY003141.D
 Acq On : 09 Jul 2020 11:11
 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
 7/10/2020 12:18:30 PM

Quant Time: Jul 10 04:01:53 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	419023	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	588196	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.51	117	539082	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.47	152	289898	50.00	ug/l	0.05

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	191888	46.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.22%	
35) Dibromofluoromethane	7.73	113	194938	53.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.26%	
50) Toluene-d8	10.19	98	711117	52.02	ug/l	0.01
Spiked Amount	50.000		Recovery	=	104.04%	
62) 4-Bromofluorobenzene	12.50	95	250594	52.08	ug/l	0.02
Spiked Amount	50.000		Recovery	=	104.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	145129	45.733	ug/l	98
3) Chloromethane	2.11	50	205738	44.273	ug/l	99
4) Vinyl Chloride	2.26	62	216369	47.733	ug/l	97
5) Bromomethane	2.65	94	153859	49.992	ug/l	94
6) Chloroethane	2.80	64	142198	49.313	ug/l	96
7) Trichlorofluoromethane	3.13	101	324637	50.742	ug/l	98
8) Diethyl Ether	3.54	74	107627	49.071	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.91	101	201058	52.632	ug/l	99
10) Methyl Iodide	4.10	142	219615	46.362	ug/l	99
11) Tert butyl alcohol	4.96	59	93665	220.840	ug/l	99
12) 1,1-Dichloroethene	3.88	96	183334	50.440	ug/l	92
13) Acrolein	3.74	56	85027	223.209	ug/l	100
14) Allyl chloride	4.49	41	273746	43.136	ug/l	96
15) Acrylonitrile	5.17	53	267171	236.354	ug/l	100
16) Acetone	3.96	43	194512	198.171	ug/l	99
17) Carbon Disulfide	4.20	76	526193	45.311	ug/l	99
18) Methyl Acetate	4.49	43	120082	45.410	ug/l	94
19) Methyl tert-butyl Ether	5.22	73	529904	50.015	ug/l	98
20) Methylene Chloride	4.72	84	213192	48.459	ug/l	95
21) trans-1,2-Dichloroethene	5.23	96	207107	50.374	ug/l	95
22) Diisopropyl ether	6.13	45	628381	46.199	ug/l	98
23) Vinyl Acetate	6.07	43	2096624	230.561	ug/l	98
24) 1,1-Dichloroethane	6.03	63	356311	47.956	ug/l	99
25) 2-Butanone	7.00	43	339929	218.018	ug/l	98
26) 2,2-Dichloropropane	6.99	77	332609	49.272	ug/l	100
27) cis-1,2-Dichloroethene	7.00	96	234103	50.766	ug/l	94
28) Bromochloromethane	7.35	49	159739	48.319	ug/l	87
29) Tetrahydrofuran	7.36	42	233060	224.775	ug/l	92
30) Chloroform	7.52	83	371319	50.446	ug/l	98
31) Cyclohexane	7.79	56	325730	44.501	ug/l	97
32) 1,1,1-Trichloroethane	7.71	97	336430	50.073	ug/l	99
36) 1,1-Dichloropropene	7.92	75	289592	51.113	ug/l	98
37) Ethyl Acetate	7.08	43	159580	46.845	ug/l	96
38) Carbon Tetrachloride	7.91	117	310328	52.644	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	364487	51.886	ug/l	99
40) Benzene	8.17	78	803812	51.821	ug/l	100
41) Methacrylonitrile	7.33	41	93198m	51.216	ug/l	
42) 1,2-Dichloroethane	8.25	62	246748	50.284	ug/l	99
43) Isopropyl Acetate	8.28	43	310159	47.893	ug/l	96
44) Trichloroethene	8.95	130	252004	55.896	ug/l	99
45) 1,2-Dichloropropane	9.22	63	209583	50.222	ug/l	97
46) Dibromomethane	9.31	93	122973	52.761	ug/l	98
47) Bromodichloromethane	9.51	83	299179	52.422	ug/l	99
48) Methyl methacrylate	9.30	41	140949	47.816	ug/l	94
49) 1,4-Dioxane	9.30	88	28276	993.835	ug/l	95
51) 4-Methyl-2-Pentanone	10.08	43	823051	245.894	ug/l	97
52) Toluene	10.25	92	513646	52.604	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	308528	51.563	ug/l	100
54) cis-1,3-Dichloropropene	9.94	75	348016	50.856	ug/l	97
55) 1,1,2-Trichloroethane	10.66	97	173978	53.717	ug/l	99
56) Ethyl methacrylate	10.52	69	245833	52.435	ug/l	95
57) 1,3-Dichloropropane	10.80	76	295165	51.913	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.79	63	620165	257.918	ug/l	97
59) 2-Hexanone	10.85	43	569856	243.574	ug/l	97
60) Dibromochloromethane	11.00	129	224216	54.096	ug/l	99
61) 1,2-Dibromoethane	11.10	107	168130	52.656	ug/l	98
64) Tetrachloroethene	10.73	164	278036	60.939	ug/l	97
65) Chlorobenzene	11.53	112	571914	53.804	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.61	131	224747	54.155	ug/l	99
67) Ethyl Benzene	11.61	91	1031403	53.038	ug/l	100
68) m/p-Xylenes	11.72	106	778262	107.531	ug/l	98
69) o-Xylene	12.05	106	370443	54.316	ug/l	97
70) Styrene	12.06	104	633307	54.355	ug/l	98
71) Bromoform	12.23	173	152210	55.004	ug/l	100
73) Isopropylbenzene	12.35	105	1007602	53.108	ug/l	99
74) N-amyl acetate	12.16	43	297481	48.164	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.61	83	195579	51.082	ug/l	100
76) 1,2,3-Trichloropropane	12.66	75	143799m	50.120	ug/l	
77) Bromobenzene	12.63	156	258175	53.073	ug/l	96
78) n-propylbenzene	12.69	91	1207672	52.928	ug/l	99
79) 2-Chlorotoluene	12.78	91	663078	52.063	ug/l	97
80) 1,3,5-Trimethylbenzene	12.84	105	850698	53.433	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	74331m	50.405	ug/l	
82) 4-Chlorotoluene	12.88	91	705519	53.206	ug/l	100
83) tert-Butylbenzene	13.11	119	739224	52.879	ug/l	100
84) 1,2,4-Trimethylbenzene	13.16	105	846939	52.793	ug/l	98
85) sec-Butylbenzene	13.29	105	1038206	53.880	ug/l	99
86) p-Isopropyltoluene	13.41	119	967577	54.192	ug/l	99
87) 1,3-Dichlorobenzene	13.41	146	490943	54.057	ug/l	100
88) 1,4-Dichlorobenzene	13.49	146	477275m	53.294	ug/l	
89) n-Butylbenzene	13.76	91	920082	53.859	ug/l	99
90) Hexachloroethane	14.05	117	178916	50.464	ug/l	100
91) 1,2-Dichlorobenzene	13.80	146	435750	53.476	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.48	75	31731	46.816	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.25	180	317564	52.448	ug/l	100
94) Hexachlorobutadiene	15.37	225	208740m	54.656	ug/l	
95) Naphthalene	15.51	128	555301m	50.212	ug/l	
96) 1,2,3-Trichlorobenzene	15.73	180	263451m	50.108	ug/l	

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

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