

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050420\
 Data File : VY002573.D
 Acq On : 05 May 2020 04:34
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/5/2020 11:29:27 AM

Quant Time: May 05 09:25:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 04 12:22:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	317223	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.72	114	514033	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.50	117	482232	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	248815	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	158719	59.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.02%	
35) Dibromofluoromethane	7.75	113	162274	55.20	ug/l	0.01
Spiked Amount	50.000		Recovery	=	110.40%	
50) Toluene-d8	10.20	98	612443	53.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.70%	
62) 4-Bromofluorobenzene	12.50	95	215076	55.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	114849	44.036	ug/l	98
3) Chloromethane	2.13	50	138238	53.787	ug/l	99
4) Vinyl Chloride	2.27	62	147177	49.593	ug/l	100
5) Bromomethane	2.67	94	113025	55.227	ug/l	98
6) Chloroethane	2.82	64	93985	53.039	ug/l	98
7) Trichlorofluoromethane	3.15	101	219053	47.626	ug/l	98
8) Diethyl Ether	3.56	74	95938	62.070	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.93	101	136541	48.573	ug/l	99
10) Methyl Iodide	4.13	142	217649	56.831	ug/l	99
11) Tert butyl alcohol	4.99	59	70651	257.459	ug/l	99
12) 1,1-Dichloroethene	3.90	96	136981	50.161	ug/l	99
13) Acrolein	3.76	56	48970	258.063	ug/l	97
14) Allyl chloride	4.52	41	225169	56.592	ug/l	98
15) Acrylonitrile	5.21	53	220893	303.052	ug/l	99
16) Acetone	3.98	43	156044	283.476	ug/l	100
17) Carbon Disulfide	4.23	76	426912	51.965	ug/l	100
18) Methyl Acetate	4.52	43	110229	59.932	ug/l	98
19) Methyl tert-butyl Ether	5.26	73	434160	60.938	ug/l	98
20) Methylene Chloride	4.75	84	177249	57.581	ug/l	99
21) trans-1,2-Dichloroethene	5.26	96	166255	55.702	ug/l	97
22) Diisopropyl ether	6.16	45	509706	63.312	ug/l	97
23) Vinyl Acetate	6.10	43	1561509	308.413	ug/l	98
24) 1,1-Dichloroethane	6.06	63	277179	58.197	ug/l	100
25) 2-Butanone	7.02	43	265461	294.604	ug/l	98
26) 2,2-Dichloropropane	7.02	77	201026	44.404	ug/l	98
27) cis-1,2-Dichloroethene	7.02	96	193518	58.596	ug/l	98
28) Bromochloromethane	7.37	49	122963	63.013	ug/l	100
29) Tetrahydrofuran	7.38	42	180905	303.446	ug/l	99
30) Chloroform	7.54	83	290001	58.560	ug/l	99
31) Cyclohexane	7.82	56	229646	47.902	ug/l	93
32) 1,1,1-Trichloroethane	7.74	97	241403	52.446	ug/l	100
36) 1,1-Dichloropropene	7.95	75	205202	47.620	ug/l	100
37) Ethyl Acetate	7.11	43	121988	55.089	ug/l	99
38) Carbon Tetrachloride	7.93	117	218615	46.468	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.21	83	258699	45.453	ug/l	99
40) Benzene	8.19	78	659497	52.989	ug/l	100
41) Methacrylonitrile	7.36	41	70682m	59.366	ug/l	
42) 1,2-Dichloroethane	8.27	62	189342	54.236	ug/l	99
43) Isopropyl Acetate	8.30	43	233102	56.151	ug/l	99
44) Trichloroethene	8.96	130	202309	52.014	ug/l	98
45) 1,2-Dichloropropane	9.24	63	166658	55.483	ug/l	100
46) Dibromomethane	9.33	93	96707	55.957	ug/l	99
47) Bromodichloromethane	9.52	83	231935	55.193	ug/l	99
48) Methyl methacrylate	9.32	41	105385	56.093	ug/l	99
49) 1,4-Dioxane	9.32	88	25003	1092.673	ug/l	98
51) 4-Methyl-2-Pentanone	10.09	43	597480	279.227	ug/l	100
52) Toluene	10.26	92	421597	52.709	ug/l	99
53) t-1,3-Dichloropropene	10.49	75	237485	53.938	ug/l	99
54) cis-1,3-Dichloropropene	9.95	75	272514	53.539	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	141719	56.232	ug/l	99
56) Ethyl methacrylate	10.53	69	191532	57.128	ug/l	99
57) 1,3-Dichloropropane	10.81	76	239508	56.039	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	504385	285.275	ug/l	99
59) 2-Hexanone	10.85	43	414554	281.486	ug/l	100
60) Dibromochloromethane	11.00	129	178425	55.663	ug/l	100
61) 1,2-Dibromoethane	11.11	107	137540	55.116	ug/l	100
64) Tetrachloroethene	10.74	164	228225	53.266	ug/l	97
65) Chlorobenzene	11.53	112	476446	51.973	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.61	131	181301	53.278	ug/l	99
67) Ethyl Benzene	11.61	91	815529	50.645	ug/l	98
68) m/p-Xylenes	11.72	106	628798	100.921	ug/l	100
69) o-Xylene	12.04	106	304453	52.188	ug/l	100
70) Styrene	12.06	104	536992	53.844	ug/l	98
71) Bromoform	12.22	173	113489	53.733	ug/l	# 100
73) Isopropylbenzene	12.34	105	788911	48.923	ug/l	100
74) N-amyl acetate	12.16	43	215501	55.555	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	125794	49.051	ug/l	99
76) 1,2,3-Trichloropropane	12.65	75	94721m	42.838	ug/l	
77) Bromobenzene	12.63	156	209275	51.945	ug/l	99
78) n-propylbenzene	12.69	91	912085	48.740	ug/l	100
79) 2-Chlorotoluene	12.77	91	522800	50.435	ug/l	100
80) 1,3,5-Trimethylbenzene	12.83	105	673722	50.402	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	54129	49.087	ug/l	96
82) 4-Chlorotoluene	12.87	91	553704	50.852	ug/l	99
83) tert-Butylbenzene	13.09	119	580036	49.490	ug/l	100
84) 1,2,4-Trimethylbenzene	13.13	105	683435	51.303	ug/l	99
85) sec-Butylbenzene	13.27	105	785916	48.324	ug/l	99
86) p-Isopropyltoluene	13.38	119	743513	48.791	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	388285	50.921	ug/l	99
88) 1,4-Dichlorobenzene	13.46	146	386756	51.223	ug/l	100
89) n-Butylbenzene	13.71	91	657814	47.418	ug/l	100
90) Hexachloroethane	13.97	117	142572	51.375	ug/l	98
91) 1,2-Dichlorobenzene	13.75	146	354555	52.110	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.37	75	24790	51.856	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	243930	49.380	ug/l	100
94) Hexachlorobutadiene	15.12	225	139183	46.940	ug/l	99
95) Naphthalene	15.25	128	469799	52.134	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	213686	50.956	ug/l	99

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

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