

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY011020\
 Data File : VY001166.D
 Acq On : 10 Jan 2020 22:28
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/13/2020 12:39:37 PM

Quant Time: Jan 11 03:44:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 10 16:01:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	194801	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	347368	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	315493	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	154222	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	108179	52.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.16%	
35) Dibromofluoromethane	7.73	113	100773	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	
50) Toluene-d8	10.18	98	416737	53.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.36%	
62) 4-Bromofluorobenzene	12.48	95	163225	50.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	72726	48.612	ug/l	98
3) Chloromethane	2.12	50	105411	48.882	ug/l	100
4) Vinyl Chloride	2.25	62	111887	51.502	ug/l	99
5) Bromomethane	2.65	94	73466	62.956	ug/l	95
6) Chloroethane	2.80	64	70298	56.010	ug/l	99
7) Trichlorofluoromethane	3.13	101	142350	47.074	ug/l	98
8) Diethyl Ether	3.54	74	62581	53.259	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.91	101	95967	49.303	ug/l	98
10) Methyl Iodide	4.10	142	136289	51.154	ug/l	99
11) Tert butyl alcohol	4.97	59	53140	256.707	ug/l	98
12) 1,1-Dichloroethene	3.88	96	97836	49.128	ug/l	97
13) Acrolein	3.74	56	46345	248.688	ug/l	100
14) Allyl chloride	4.49	41	169929	50.558	ug/l	100
15) Acrylonitrile	5.18	53	158193	269.190	ug/l	100
16) Acetone	3.96	43	118877	248.789	ug/l	94
17) Carbon Disulfide	4.20	76	325893	50.562	ug/l	99
18) Methyl Acetate	4.49	43	81293	51.458	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	294203	53.409	ug/l	99
20) Methylene Chloride	4.72	84	117513	53.118	ug/l	97
21) trans-1,2-Dichloroethene	5.23	96	116102	51.417	ug/l	99
22) Diisopropyl ether	6.13	45	365081	53.181	ug/l	99
23) Vinyl Acetate	6.07	43	1179674	268.695	ug/l	99
24) 1,1-Dichloroethane	6.03	63	196706	52.340	ug/l	100
25) 2-Butanone	7.00	43	205002	275.666	ug/l	100
26) 2,2-Dichloropropane	6.99	77	161958	46.863	ug/l	100
27) cis-1,2-Dichloroethene	7.00	96	131417	53.113	ug/l	98
28) Bromochloromethane	7.35	49	97342	63.075	ug/l	100
29) Tetrahydrofuran	7.36	42	138567	271.896	ug/l	99
30) Chloroform	7.52	83	192825	52.364	ug/l	100
31) Cyclohexane	7.79	56	190857	47.964	ug/l	96
32) 1,1,1-Trichloroethane	7.71	97	161791	49.518	ug/l	99
36) 1,1-Dichloropropene	7.93	75	153046	48.340	ug/l	99
37) Ethyl Acetate	7.08	43	95751	51.533	ug/l	98
38) Carbon Tetrachloride	7.91	117	139324	48.017	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	207899	48.436	ug/l	98
40) Benzene	8.17	78	472257	51.099	ug/l	99
41) Methacrylonitrile	7.33	41	43374m	49.695	ug/l	
42) 1,2-Dichloroethane	8.25	62	132476	51.192	ug/l	99
43) Isopropyl Acetate	8.28	43	188129	52.949	ug/l	99
44) Trichloroethene	8.94	130	121121	50.296	ug/l	99
45) 1,2-Dichloropropane	9.22	63	118540	51.883	ug/l	99
46) Dibromomethane	9.31	93	64676	51.881	ug/l	98
47) Bromodichloromethane	9.50	83	157017	51.682	ug/l	100
48) Methyl methacrylate	9.30	41	86503	52.612	ug/l	99
49) 1,4-Dioxane	9.30	88	16068	1058.389	ug/l	91
51) 4-Methyl-2-Pentanone	10.07	43	486604	269.911	ug/l	99
52) Toluene	10.25	92	303443	51.479	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	175921	51.747	ug/l	96
54) cis-1,3-Dichloropropene	9.93	75	197158	51.437	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	98500	53.298	ug/l	98
56) Ethyl methacrylate	10.51	69	151254	53.503	ug/l	99
57) 1,3-Dichloropropane	10.79	76	167594	52.824	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	250351	251.790	ug/l	100
59) 2-Hexanone	10.83	43	347991	275.422	ug/l	100
60) Dibromochloromethane	10.99	129	112726	52.976	ug/l	100
61) 1,2-Dibromoethane	11.09	107	95859	53.120	ug/l	99
64) Tetrachloroethene	10.72	164	103149	50.719	ug/l	98
65) Chlorobenzene	11.52	112	320461	50.834	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	112043	51.568	ug/l	99
67) Ethyl Benzene	11.59	91	582706	50.529	ug/l	99
68) m/p-Xylenes	11.70	106	445713	102.457	ug/l	99
69) o-Xylene	12.03	106	210637	50.501	ug/l	99
70) Styrene	12.04	104	381208	52.090	ug/l	99
71) Bromoform	12.20	173	71130	53.085	ug/l #	99
73) Isopropylbenzene	12.33	105	563854	48.633	ug/l	99
74) N-amyl acetate	12.14	43	190935	52.770	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	125869	51.601	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	84692m	51.299	ug/l	
77) Bromobenzene	12.61	156	129624	50.598	ug/l	99
78) n-propylbenzene	12.67	91	683536	49.014	ug/l	100
79) 2-Chlorotoluene	12.75	91	394828	49.297	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	483256	49.955	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	49019	50.350	ug/l #	97
82) 4-Chlorotoluene	12.85	91	418475	48.943	ug/l	98
83) tert-Butylbenzene	13.07	119	395170	48.615	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	481722	50.144	ug/l	100
85) sec-Butylbenzene	13.25	105	570025	48.746	ug/l	99
86) p-Isopropyltoluene	13.37	119	504389	49.679	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	247972	51.182	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	251233	50.383	ug/l	99
89) n-Butylbenzene	13.69	91	499796	48.876	ug/l	100
90) Hexachloroethane	13.96	117	98930	49.868	ug/l	100
91) 1,2-Dichlorobenzene	13.74	146	230642	51.222	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.35	75	22107	50.242	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	150465	50.717	ug/l	99
94) Hexachlorobutadiene	15.11	225	72232	48.329	ug/l	98
95) Naphthalene	15.23	128	365461	52.914	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	135108	51.674	ug/l	99

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

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