

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112219\
 Data File : VY000791.D
 Acq On : 22 Nov 2019 17:06
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/26/2019 1:34:03 AM

Quant Time: Nov 23 05:36:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 13:30:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	291528	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	514560	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	467315	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	223977	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	170406	56.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.96%	
35) Dibromofluoromethane	7.72	113	158819	52.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.16%	
50) Toluene-d8	10.18	98	637961	55.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.32%	
62) 4-Bromofluorobenzene	12.48	95	228493	52.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	133649	46.571	ug/l	99
3) Chloromethane	2.12	50	176340	44.606	ug/l	97
4) Vinyl Chloride	2.26	62	176832	48.168	ug/l	100
5) Bromomethane	2.65	94	110933	50.391	ug/l	92
6) Chloroethane	2.79	64	115659	50.339	ug/l	96
7) Trichlorofluoromethane	3.13	101	256204	51.677	ug/l	98
8) Diethyl Ether	3.53	74	104011	59.043	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.90	101	158299	52.814	ug/l	95
10) Methyl Iodide	4.09	142	200454	50.757	ug/l	99
11) Tert butyl alcohol	4.97	59	77963	265.469	ug/l #	83
12) 1,1-Dichloroethene	3.88	96	155704	53.469	ug/l	99
13) Acrolein	3.74	56	56676	221.554	ug/l	96
14) Allyl chloride	4.48	41	288183	60.860	ug/l	94
15) Acrylonitrile	5.17	53	269796	298.969	ug/l	99
16) Acetone	3.95	43	190331	228.900	ug/l	98
17) Carbon Disulfide	4.19	76	459986	50.082	ug/l	100
18) Methyl Acetate	4.49	43	159842	61.824	ug/l	98
19) Methyl tert-butyl Ether	5.22	73	474579	58.615	ug/l	98
20) Methylene Chloride	4.72	84	191495	53.747	ug/l	96
21) trans-1,2-Dichloroethene	5.22	96	182510	55.438	ug/l	99
22) Diisopropyl ether	6.13	45	628054	61.023	ug/l	90
23) Vinyl Acetate	6.07	43	1918282	295.261	ug/l	97
24) 1,1-Dichloroethane	6.02	63	329263	59.054	ug/l	100
25) 2-Butanone	7.00	43	357747	269.586	ug/l	100
26) 2,2-Dichloropropane	6.99	77	275162	54.002	ug/l	100
27) cis-1,2-Dichloroethene	6.99	96	207326	57.593	ug/l	99
28) Bromochloromethane	7.34	49	149145	57.944	ug/l	95
29) Tetrahydrofuran	7.35	42	238514	293.800	ug/l	99
30) Chloroform	7.52	83	326135	57.821	ug/l	99
31) Cyclohexane	7.79	56	313034	53.603	ug/l	97
32) 1,1,1-Trichloroethane	7.71	97	269265	53.565	ug/l	99
36) 1,1-Dichloropropene	7.92	75	253933	52.202	ug/l	98
37) Ethyl Acetate	7.08	43	150563	52.134	ug/l	95
38) Carbon Tetrachloride	7.90	117	235841	50.386	ug/l	96

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

39) Methylcyclohexane	9.19	83	324952	51.707	ug/l	96
40) Benzene	8.17	78	766970	53.780	ug/l	100
41) Methacrylonitrile	7.32	41	78852m	48.943	ug/l	
42) 1,2-Dichloroethane	8.24	62	213211	52.711	ug/l	98
43) Isopropyl Acetate	8.28	43	296227	54.603	ug/l	99
44) Trichloroethene	8.94	130	194053	51.608	ug/l	95
45) 1,2-Dichloropropane	9.22	63	201149	57.308	ug/l	95
46) Dibromomethane	9.31	93	103069	53.394	ug/l	98
47) Bromodichloromethane	9.50	83	254789	55.627	ug/l	99
48) Methyl methacrylate	9.30	41	134943	56.929	ug/l	95
49) 1,4-Dioxane	9.30	88	28623	1101.748	ug/l	92
51) 4-Methyl-2-Pentanone	10.07	43	790020	273.893	ug/l	96
52) Toluene	10.24	92	483749	53.652	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	275056	56.202	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	317093	56.557	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	153327	54.916	ug/l	96
56) Ethyl methacrylate	10.51	69	238340	60.229	ug/l	94
57) 1,3-Dichloropropane	10.79	76	279400	57.176	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	510442	285.319	ug/l	98
59) 2-Hexanone	10.83	43	544723	259.198	ug/l	94
60) Dibromochloromethane	10.99	129	171192	53.530	ug/l	99
61) 1,2-Dibromoethane	11.09	107	149179	55.570	ug/l	98
64) Tetrachloroethene	10.72	164	205725	53.240	ug/l	96
65) Chlorobenzene	11.52	112	504525	53.250	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	178744	54.396	ug/l	99
67) Ethyl Benzene	11.59	91	932501	53.476	ug/l	99
68) m/p-Xylenes	11.70	106	701534	103.946	ug/l	95
69) o-Xylene	12.03	106	333392	52.561	ug/l	100
70) Styrene	12.04	104	584218	53.788	ug/l	98
71) Bromoform	12.20	173	101017	53.448	ug/l #	100
73) Isopropylbenzene	12.33	105	899919	54.364	ug/l	100
74) N-amyl acetate	12.14	43	264931	55.882	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.58	83	184748	56.366	ug/l	97
76) 1,2,3-Trichloropropane	12.63	75	134032m	52.556	ug/l	
77) Bromobenzene	12.61	156	199792	53.223	ug/l	95
78) n-propylbenzene	12.67	91	1097529	54.950	ug/l	99
79) 2-Chlorotoluene	12.75	91	603874	54.460	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	752355	54.571	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	67666	59.490	ug/l	93
82) 4-Chlorotoluene	12.85	91	637146	55.433	ug/l	98
83) tert-Butylbenzene	13.07	119	636070	54.034	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	756891	55.140	ug/l	98
85) sec-Butylbenzene	13.25	105	916719	54.661	ug/l	99
86) p-Isopropyltoluene	13.37	119	796789	53.306	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	392882	53.434	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	389566	53.022	ug/l	99
89) n-Butylbenzene	13.69	91	801409	54.360	ug/l	99
90) Hexachloroethane	13.96	117	150376	54.419	ug/l	96
91) 1,2-Dichlorobenzene	13.73	146	358385	53.722	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	30598	52.749	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	241442	53.153	ug/l	99
94) Hexachlorobutadiene	15.11	225	115899	49.498	ug/l	98
95) Naphthalene	15.23	128	571160	56.642	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	218753	53.679	ug/l	98

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

