

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121619\
 Data File : VY000968.D
 Acq On : 16 Dec 2019 20:15
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 12/17/2019 12:50:06 PM

Quant Time: Dec 17 08:13:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 12:40:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	254089	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	450487	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	415548	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	200448	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	135478	50.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.36%	
35) Dibromofluoromethane	7.73	113	127035	48.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.78%	
50) Toluene-d8	10.18	98	528665	50.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.74%	
62) 4-Bromofluorobenzene	12.48	95	188188	47.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.48%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.90	85	107748	39.393	ug/l	100
3) Chloromethane	2.12	50	148575	44.067	ug/l	96
4) Vinyl Chloride	2.25	62	148526	44.698	ug/l	98
5) Bromomethane	2.65	94	103344	51.920	ug/l	98
6) Chloroethane	2.79	64	94828	46.546	ug/l	98
7) Trichlorofluoromethane	3.13	101	213805	46.950	ug/l	96
8) Diethyl Ether	3.54	74	90685	52.910	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.91	101	140056	49.803	ug/l	99
10) Methyl Iodide	4.10	142	159301	44.992	ug/l	98
11) Tert butyl alcohol	4.96	59	73020	268.820	ug/l	98
12) 1,1-Dichloroethene	3.88	96	139600	50.108	ug/l	97
13) Acrolein	3.74	56	71816	268.396	ug/l	99
14) Allyl chloride	4.49	41	245326	51.356	ug/l	99
15) Acrylonitrile	5.18	53	250360	282.879	ug/l	98
16) Acetone	3.96	43	175534	283.414	ug/l	97
17) Carbon Disulfide	4.20	76	406636	45.129	ug/l	100
18) Methyl Acetate	4.49	43	144422	55.767	ug/l	98
19) Methyl tert-butyl Ether	5.24	73	411777	55.344	ug/l	98
20) Methylene Chloride	4.72	84	172796	52.928	ug/l	99
21) trans-1,2-Dichloroethene	5.23	96	161331	50.948	ug/l	98
22) Diisopropyl ether	6.13	45	534119	54.401	ug/l	98
23) Vinyl Acetate	6.07	43	1654815	277.245	ug/l	99
24) 1,1-Dichloroethane	6.03	63	285080	52.682	ug/l	99
25) 2-Butanone	7.00	43	313680	274.168	ug/l	98
26) 2,2-Dichloropropane	6.99	77	217297	47.711	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	182939	53.446	ug/l	98
28) Bromochloromethane	7.35	49	115242	57.758	ug/l	96
29) Tetrahydrofuran	7.36	42	217809	287.289	ug/l	98
30) Chloroform	7.52	83	277866	51.187	ug/l	100
31) Cyclohexane	7.79	56	268001	46.751	ug/l	100
32) 1,1,1-Trichloroethane	7.71	97	229341	51.163	ug/l	99
36) 1,1-Dichloropropene	7.93	75	217797	48.624	ug/l	99
37) Ethyl Acetate	7.09	43	135693	52.465	ug/l	98
38) Carbon Tetrachloride	7.91	117	194604	48.785	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	283773	47.818	ug/l	99
40) Benzene	8.17	78	677282	51.911	ug/l	98
41) Methacrylonitrile	7.33	41	58591m	42.982	ug/l	
42) 1,2-Dichloroethane	8.25	62	177995	51.875	ug/l	99
43) Isopropyl Acetate	8.28	43	256517	52.631	ug/l	98
44) Trichloroethene	8.94	130	172610	51.478	ug/l	94
45) 1,2-Dichloropropane	9.22	63	177224	54.078	ug/l	100
46) Dibromomethane	9.31	93	91824	53.625	ug/l	99
47) Bromodichloromethane	9.50	83	215006	53.451	ug/l	95
48) Methyl methacrylate	9.30	41	115698	53.983	ug/l	95
49) 1,4-Dioxane	9.30	88	26566	1094.954	ug/l	91
51) 4-Methyl-2-Pentanone	10.07	43	698997	277.574	ug/l	99
52) Toluene	10.25	92	424240	52.517	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	238704	55.235	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	276027	54.036	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	140517	55.544	ug/l	98
56) Ethyl methacrylate	10.51	69	204823	56.596	ug/l	99
57) 1,3-Dichloropropane	10.79	76	248252	56.303	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.78	63	392104	268.706	ug/l	100
59) 2-Hexanone	10.83	43	486184	264.953	ug/l	100
60) Dibromochloromethane	10.99	129	151507	55.632	ug/l	98
61) 1,2-Dibromoethane	11.09	107	133303	55.911	ug/l	98
64) Tetrachloroethene	10.72	164	183404	50.799	ug/l	97
65) Chlorobenzene	11.52	112	443816	51.381	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	152851	52.509	ug/l	98
67) Ethyl Benzene	11.59	91	813342	50.559	ug/l	99
68) m/p-Xylenes	11.70	106	613155	101.548	ug/l	99
69) o-Xylene	12.03	106	293939	52.210	ug/l	97
70) Styrene	12.04	104	506522	52.543	ug/l	99
71) Bromoform	12.20	173	89201	54.332	ug/l #	97
73) Isopropylbenzene	12.33	105	773652	48.474	ug/l	99
74) N-amyl acetate	12.14	43	228152	51.359	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	163477	51.984	ug/l	97
76) 1,2,3-Trichloropropane	12.63	75	108929m	47.964	ug/l	
77) Bromobenzene	12.61	156	172289	49.801	ug/l	99
78) n-propylbenzene	12.67	91	949890	48.743	ug/l	100
79) 2-Chlorotoluene	12.75	91	526838	48.936	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	646880	48.952	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	59662	51.603	ug/l	98
82) 4-Chlorotoluene	12.85	91	546468	49.268	ug/l	100
83) tert-Butylbenzene	13.07	119	537449	48.375	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	644817	48.773	ug/l	98
85) sec-Butylbenzene	13.25	105	786330	48.665	ug/l	100
86) p-Isopropyltoluene	13.36	119	694239	49.398	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	339836	50.074	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	338527	50.377	ug/l	100
89) n-Butylbenzene	13.69	91	694359	48.867	ug/l	100
90) Hexachloroethane	13.95	117	131164	50.664	ug/l	99
91) 1,2-Dichlorobenzene	13.73	146	315716	51.718	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.35	75	26190	49.746	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	207079	50.130	ug/l	99
94) Hexachlorobutadiene	15.11	225	102148	49.876	ug/l	99
95) Naphthalene	15.23	128	501186	52.252	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	190323	51.582	ug/l	98

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

