

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY122419\
 Data File : VY001060.D
 Acq On : 24 Dec 2019 19:42
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 12/26/2019 12:30:16 PM

Quant Time: Dec 25 05:29:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y122319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 23 12:07:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	276255	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	503602	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	454413	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	209806	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	147813	54.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.50%	
35) Dibromofluoromethane	7.72	113	148770	50.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.34%	
50) Toluene-d8	10.18	98	612458	52.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.70%	
62) 4-Bromofluorobenzene	12.48	95	198901	46.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.88%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.90	85	119650	49.705	ug/l	100
3) Chloromethane	2.12	50	167467	51.116	ug/l	100
4) Vinyl Chloride	2.25	62	162024	50.924	ug/l	98
5) Bromomethane	2.65	94	109605	55.560	ug/l	95
6) Chloroethane	2.79	64	105539	53.258	ug/l	97
7) Trichlorofluoromethane	3.13	101	235166	50.392	ug/l	98
8) Diethyl Ether	3.53	74	105667	55.470	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.90	101	152408	49.718	ug/l	97
10) Methyl Iodide	4.10	142	214896	50.739	ug/l	99
11) Tert butyl alcohol	4.97	59	82166	274.268	ug/l	99
12) 1,1-Dichloroethene	3.88	96	160833	51.823	ug/l	96
13) Acrolein	3.73	56	100060	269.564	ug/l	100
14) Allyl chloride	4.49	41	260734	54.080	ug/l	99
15) Acrylonitrile	5.18	53	278214	292.230	ug/l	100
16) Acetone	3.95	43	182070	290.066	ug/l	100
17) Carbon Disulfide	4.19	76	522115	51.484	ug/l	97
18) Methyl Acetate	4.49	43	133836	55.576	ug/l	98
19) Methyl tert-butyl Ether	5.23	73	448521	55.994	ug/l	97
20) Methylene Chloride	4.72	84	203463	55.071	ug/l	93
21) trans-1,2-Dichloroethene	5.22	96	188861	54.910	ug/l	97
22) Diisopropyl ether	6.13	45	548078	56.242	ug/l	98
23) Vinyl Acetate	6.07	43	1750942	284.501	ug/l	99
24) 1,1-Dichloroethane	6.03	63	319449	55.471	ug/l	99
25) 2-Butanone	6.99	43	323060	292.977	ug/l	98
26) 2,2-Dichloropropane	6.99	77	230325	48.680	ug/l	98
27) cis-1,2-Dichloroethene	6.99	96	205842	54.474	ug/l	99
28) Bromochloromethane	7.35	49	123958	55.167	ug/l	97
29) Tetrahydrofuran	7.35	42	221619	282.546	ug/l	99
30) Chloroform	7.52	83	300593	55.200	ug/l	95
31) Cyclohexane	7.79	56	291715	48.172	ug/l	96
32) 1,1,1-Trichloroethane	7.71	97	241850	52.064	ug/l	98
36) 1,1-Dichloropropene	7.93	75	243470	50.678	ug/l	100
37) Ethyl Acetate	7.08	43	149315	56.129	ug/l	100
38) Carbon Tetrachloride	7.91	117	210640	50.042	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	316702	49.640	ug/l	96
40) Benzene	8.17	78	764572	52.751	ug/l	96
41) Methacrylonitrile	7.32	41	56009m	48.563	ug/l	
42) 1,2-Dichloroethane	8.24	62	187845	54.208	ug/l	100
43) Isopropyl Acetate	8.28	43	267041	54.227	ug/l	100
44) Trichloroethene	8.94	130	193335	50.626	ug/l	95
45) 1,2-Dichloropropane	9.22	63	196130	53.940	ug/l	100
46) Dibromomethane	9.31	93	100158	53.436	ug/l	97
47) Bromodichloromethane	9.50	83	233790	53.848	ug/l	98
48) Methyl methacrylate	9.30	41	115627	55.022	ug/l	98
49) 1,4-Dioxane	9.30	88	30930	1128.069	ug/l	94
51) 4-Methyl-2-Pentanone	10.07	43	699236	272.426	ug/l	100
52) Toluene	10.24	92	469788	52.661	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	253237	53.744	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	302449	53.381	ug/l	96
55) 1,1,2-Trichloroethane	10.64	97	153005	54.680	ug/l	94
56) Ethyl methacrylate	10.51	69	219089	55.013	ug/l	98
57) 1,3-Dichloropropane	10.79	76	265344	54.100	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	380498	247.369	ug/l	98
59) 2-Hexanone	10.83	43	478179	269.243	ug/l	99
60) Dibromochloromethane	10.99	129	163259	54.621	ug/l	100
61) 1,2-Dibromoethane	11.08	107	147520	55.131	ug/l	99
64) Tetrachloroethene	10.72	164	202684	51.551	ug/l	98
65) Chlorobenzene	11.51	112	492342	52.233	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	162935	52.381	ug/l	99
67) Ethyl Benzene	11.59	91	870259	51.330	ug/l	100
68) m/p-Xylenes	11.70	106	668721	103.880	ug/l	99
69) o-Xylene	12.02	106	318142	52.532	ug/l	100
70) Styrene	12.04	104	543159	52.746	ug/l	99
71) Bromoform	12.20	173	93031	53.712	ug/l #	99
73) Isopropylbenzene	12.33	105	813305	50.093	ug/l	99
74) N-amyl acetate	12.14	43	220381	51.668	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	172879	54.051	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	108542m	41.965	ug/l	
77) Bromobenzene	12.60	156	186657	51.118	ug/l	99
78) n-propylbenzene	12.67	91	1003113	50.705	ug/l	100
79) 2-Chlorotoluene	12.75	91	550028	50.345	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	679562	51.063	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	63591	52.436	ug/l	99
82) 4-Chlorotoluene	12.85	91	570334	50.260	ug/l	100
83) tert-Butylbenzene	13.07	119	560136	50.140	ug/l	99
84) 1,2,4-Trimethylbenzene	13.11	105	670704	50.152	ug/l	99
85) sec-Butylbenzene	13.25	105	821968	49.909	ug/l	99
86) p-Isopropyltoluene	13.36	119	712222	49.978	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	354488	50.547	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	355666	50.274	ug/l	99
89) n-Butylbenzene	13.69	91	699990	48.821	ug/l	99
90) Hexachloroethane	13.95	117	138846	51.714	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	327943	50.694	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.35	75	27159	50.753	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	213761	48.954	ug/l	98
94) Hexachlorobutadiene	15.11	225	98564	47.435	ug/l	98
95) Naphthalene	15.23	128	523570	50.986	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	194853	50.039	ug/l	98

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

