

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY102319\
 Data File : VY000400.D
 Acq On : 23 Oct 2019 22:32
 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

MMDadoda
 10/24/2019 4:30:46 PM

Quant Time: Oct 24 05:34:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 17 02:03:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	68795	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	122330	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	116592	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	60255	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	49276	67.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	135.80%	
35) Dibromofluoromethane	7.74	113	41729	56.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.10%	
50) Toluene-d8	10.19	98	153723	54.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.32%	
62) 4-Bromofluorobenzene	12.48	95	58105	53.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.76%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.90	85	20535	36.624	ug/l	99
3) Chloromethane	2.12	50	45152	53.711	ug/l	97
4) Vinyl Chloride	2.26	62	33365	39.327	ug/l	95
5) Bromomethane	2.65	94	24702	39.286	ug/l	98
6) Chloroethane	2.80	64	23611	43.132	ug/l	94
7) Trichlorofluoromethane	3.13	101	51474	44.354	ug/l	95
8) Diethyl Ether	3.54	74	27840	67.906	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.90	101	33005	46.895	ug/l	98
10) Methyl Iodide	4.10	142	28210	28.659	ug/l	97
11) Tert butyl alcohol	4.96	59	27820	366.328	ug/l #	86
12) 1,1-Dichloroethene	3.88	96	32797	47.203	ug/l	89
13) Acrolein	3.74	56	23784	267.130	ug/l	97
14) Allyl chloride	4.49	41	59941m	52.058	ug/l	
15) Acrylonitrile	5.18	53	86200	375.645	ug/l	96
16) Acetone	3.96	43	76861	327.060	ug/l	100
17) Carbon Disulfide	4.21	76	85437	39.055	ug/l	98
18) Methyl Acetate	4.49	43	46235	79.183	ug/l	99
19) Methyl tert-butyl Ether	5.24	73	137780	71.233	ug/l	98
20) Methylene Chloride	4.72	84	49104	63.480	ug/l	94
21) trans-1,2-Dichloroethene	5.23	96	39078	49.022	ug/l	96
22) Diisopropyl ether	6.14	45	156760	64.370	ug/l	91
23) Vinyl Acetate	6.07	43	516670	325.204	ug/l	100
24) 1,1-Dichloroethane	6.04	63	75454	56.763	ug/l #	93
25) 2-Butanone	7.00	43	116344	351.441	ug/l	99
26) 2,2-Dichloropropane	7.00	77	57313	46.791	ug/l	98
27) cis-1,2-Dichloroethene	7.00	96	51790	60.040	ug/l	93
28) Bromochloromethane	7.35	49	37756	66.164	ug/l	96
29) Tetrahydrofuran	7.36	42	74505	371.359	ug/l	99
30) Chloroform	7.52	83	80863	60.405	ug/l	98
31) Cyclohexane	7.80	56	56582	40.755	ug/l	96
32) 1,1,1-Trichloroethane	7.72	97	61103	51.341	ug/l	98
36) 1,1-Dichloropropene	7.93	75	52075	43.480	ug/l	100
37) Ethyl Acetate	7.08	43	49392	69.647	ug/l	99
38) Carbon Tetrachloride	7.91	117	52518	45.288	ug/l #	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	65130	41.549	ug/l	91
40) Benzene	8.17	78	175555	50.721	ug/l	100
41) Methacrylonitrile	7.33	41	24205m	71.704	ug/l	
42) 1,2-Dichloroethane	8.25	62	62322	63.035	ug/l	98
43) Isopropyl Acetate	8.28	43	94634	70.180	ug/l	97
44) Trichloroethene	8.95	130	48657	50.102	ug/l	93
45) 1,2-Dichloropropane	9.22	63	49847	58.686	ug/l	97
46) Dibromomethane	9.32	93	31299	65.917	ug/l	97
47) Bromodichloromethane	9.50	83	66153	59.117	ug/l	96
48) Methyl methacrylate	9.30	41	39258	66.431	ug/l	96
49) 1,4-Dioxane	9.30	88	10859	1525.274	ug/l	99
51) 4-Methyl-2-Pentanone	10.08	43	245345	352.766	ug/l	99
52) Toluene	10.25	92	113228	51.526	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	71185	59.358	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	78817	57.872	ug/l	97
55) 1,1,2-Trichloroethane	10.65	97	44781	64.865	ug/l	93
56) Ethyl methacrylate	10.52	69	60521	61.503	ug/l	93
57) 1,3-Dichloropropane	10.80	76	77978	65.769	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.79	63	159209	405.628	ug/l	100
59) 2-Hexanone	10.83	43	167801	343.733	ug/l	99
60) Dibromochloromethane	10.99	129	48637	63.561	ug/l	99
61) 1,2-Dibromoethane	11.09	107	43498	65.620	ug/l	98
64) Tetrachloroethene	10.72	164	54379	48.991	ug/l	96
65) Chlorobenzene	11.52	112	128769	52.332	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	49749	57.556	ug/l	96
67) Ethyl Benzene	11.60	91	216663	47.499	ug/l	97
68) m/p-Xylenes	11.71	106	168330	96.533	ug/l	98
69) o-Xylene	12.03	106	81562	49.031	ug/l	100
70) Styrene	12.05	104	142666	50.853	ug/l	98
71) Bromoform	12.21	173	32559	65.526	ug/l #	95
73) Isopropylbenzene	12.33	105	206938	44.045	ug/l	98
74) N-amyl acetate	12.14	43	64033	55.516	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	53282	60.401	ug/l	97
76) 1,2,3-Trichloropropane	12.63	75	44378m	59.895	ug/l	
77) Bromobenzene	12.61	156	56962	54.484	ug/l	94
78) n-propylbenzene	12.67	91	245902	43.592	ug/l	99
79) 2-Chlorotoluene	12.75	91	146923	47.161	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	182508	46.326	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	19117	56.452	ug/l	99
82) 4-Chlorotoluene	12.85	91	155072	47.091	ug/l	99
83) tert-Butylbenzene	13.08	119	151381	45.375	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	184894	47.552	ug/l	99
85) sec-Butylbenzene	13.25	105	212496	44.029	ug/l	98
86) p-Isopropyltoluene	13.37	119	190886	45.367	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	103506	50.249	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	104421	50.717	ug/l	99
89) n-Butylbenzene	13.69	91	175408	42.185	ug/l	99
90) Hexachloroethane	13.96	117	35669	45.780	ug/l	94
91) 1,2-Dichlorobenzene	13.74	146	102738	55.112	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.36	75	10311	61.631	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	67502	52.009	ug/l	99
94) Hexachlorobutadiene	15.11	225	32657	46.495	ug/l	97
95) Naphthalene	15.23	128	169449	58.503	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	65542	56.032	ug/l	98

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

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