

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY122719\
 Data File : VY001115.D
 Acq On : 27 Dec 2019 21:36
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 12/30/2019 3:36:09 PM

Quant Time: Dec 28 05:33:35 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	267623	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	493511	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	438931	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	197073	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	139525	52.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.72%	
35) Dibromofluoromethane	7.73	113	145723	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	
50) Toluene-d8	10.18	98	590639	52.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.02%	
62) 4-Bromofluorobenzene	12.47	95	191253	46.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.12%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.90	85	101868	43.683	ug/l	98
3) Chloromethane	2.12	50	118113	37.214	ug/l	97
4) Vinyl Chloride	2.25	62	112244	36.416	ug/l	99
5) Bromomethane	2.65	94	81580	41.393	ug/l	97
6) Chloroethane	2.79	64	85306	44.436	ug/l	99
7) Trichlorofluoromethane	3.13	101	215092	47.577	ug/l	95
8) Diethyl Ether	3.54	74	106418	57.666	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.90	101	153322	51.629	ug/l	99
10) Methyl Iodide	4.09	142	209088	50.960	ug/l	100
11) Tert butyl alcohol	4.97	59	85092	293.196	ug/l	99
12) 1,1-Dichloroethene	3.88	96	152015	50.561	ug/l	98
13) Acrolein	3.74	56	87156	242.373	ug/l	96
14) Allyl chloride	4.49	41	229346	49.104	ug/l	98
15) Acrylonitrile	5.18	53	285887	309.975	ug/l	98
16) Acetone	3.96	43	177565	292.013	ug/l	95
17) Carbon Disulfide	4.19	76	394948	40.201	ug/l	99
18) Methyl Acetate	4.49	43	137952	59.133	ug/l	98
19) Methyl tert-butyl Ether	5.23	73	464798	59.898	ug/l	100
20) Methylene Chloride	4.72	84	197457	55.169	ug/l	87
21) trans-1,2-Dichloroethene	5.22	96	180195	54.080	ug/l	96
22) Diisopropyl ether	6.13	45	508951	53.911	ug/l	96
23) Vinyl Acetate	6.07	43	1611024	270.209	ug/l	98
24) 1,1-Dichloroethane	6.03	63	308273	55.257	ug/l	98
25) 2-Butanone	7.00	43	317074	296.823	ug/l	92
26) 2,2-Dichloropropane	6.99	77	215812	47.084	ug/l	94
27) cis-1,2-Dichloroethene	7.00	96	208357	56.918	ug/l	97
28) Bromochloromethane	7.34	49	113676	52.222	ug/l	89
29) Tetrahydrofuran	7.36	42	212989	280.302	ug/l	93
30) Chloroform	7.52	83	302435	57.330	ug/l	99
31) Cyclohexane	7.79	56	247698	42.223	ug/l	97
32) 1,1,1-Trichloroethane	7.71	97	242912	53.979	ug/l	99
36) 1,1-Dichloropropene	7.93	75	228457	48.525	ug/l	100
37) Ethyl Acetate	7.08	43	139336	53.449	ug/l	99
38) Carbon Tetrachloride	7.91	117	204208	49.506	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	288547	46.152	ug/l	96
40) Benzene	8.17	78	742236	52.257	ug/l	98
41) Methacrylonitrile	7.33	41	62403m	55.213	ug/l	
42) 1,2-Dichloroethane	8.24	62	185080	54.502	ug/l	100
43) Isopropyl Acetate	8.28	43	258845	53.638	ug/l	96
44) Trichloroethene	8.94	130	194136	51.875	ug/l	99
45) 1,2-Dichloropropane	9.22	63	193831	54.398	ug/l	96
46) Dibromomethane	9.31	93	104853	57.085	ug/l	97
47) Bromodichloromethane	9.50	83	236441	55.572	ug/l	98
48) Methyl methacrylate	9.30	41	108817	52.841	ug/l	90
49) 1,4-Dioxane	9.30	88	33339	1240.792	ug/l	94
51) 4-Methyl-2-Pentanone	10.07	43	687149	273.191	ug/l	96
52) Toluene	10.24	92	464235	53.103	ug/l	99
53) t-1,3-Dichloropropene	10.46	75	252373	54.656	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	299756	53.987	ug/l	97
55) 1,1,2-Trichloroethane	10.64	97	161590	58.929	ug/l	95
56) Ethyl methacrylate	10.51	69	227819	58.375	ug/l	94
57) 1,3-Dichloropropane	10.79	76	270763	56.334	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	365477	242.462	ug/l	98
59) 2-Hexanone	10.83	43	475123	272.993	ug/l	96
60) Dibromochloromethane	10.99	129	171530	58.561	ug/l	100
61) 1,2-Dibromoethane	11.08	107	156202	59.569	ug/l	98
64) Tetrachloroethene	10.72	164	207134	54.541	ug/l	98
65) Chlorobenzene	11.51	112	500234	54.942	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	171880	57.205	ug/l	99
67) Ethyl Benzene	11.59	91	862808	52.686	ug/l	100
68) m/p-Xylenes	11.70	106	668016	107.431	ug/l	97
69) o-Xylene	12.03	106	323361	55.277	ug/l	96
70) Styrene	12.04	104	560080	56.308	ug/l	98
71) Bromoform	12.20	173	102748	61.415	ug/l #	100
73) Isopropylbenzene	12.33	105	820845	53.824	ug/l	99
74) N-amyl acetate	12.14	43	217889	54.385	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.58	83	179053	59.598	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	118101m	48.611	ug/l	
77) Bromobenzene	12.60	156	195905	57.117	ug/l	97
78) n-propylbenzene	12.67	91	985596	53.039	ug/l	99
79) 2-Chlorotoluene	12.75	91	544869	53.095	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	679484	54.356	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	65744	57.714	ug/l	99
82) 4-Chlorotoluene	12.85	91	568420	53.327	ug/l	99
83) tert-Butylbenzene	13.07	119	559843	53.352	ug/l	100
84) 1,2,4-Trimethylbenzene	13.11	105	679902	54.125	ug/l	99
85) sec-Butylbenzene	13.25	105	821259	53.088	ug/l	100
86) p-Isopropyltoluene	13.36	119	713925	53.334	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	360780	54.768	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	365001	54.927	ug/l	99
89) n-Butylbenzene	13.69	91	695988	51.679	ug/l	99
90) Hexachloroethane	13.95	117	142211	56.390	ug/l	100
91) 1,2-Dichlorobenzene	13.74	146	346937	57.095	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.35	75	28039	55.783	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	227711	55.519	ug/l	100
94) Hexachlorobutadiene	15.11	225	103234	52.892	ug/l	97
95) Naphthalene	15.23	128	573718	59.479	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	210548	57.563	ug/l	98

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

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