

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101119\
 Data File : VY000289.D
 Acq On : 11 Oct 2019 22:25
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.10G/5ML/MSVOA Y/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/15/2019 12:34:19 PM

Quant Time: Oct 14 08:50:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 14 08:10:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	275951	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	490320	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	443402	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	214089	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	166670	57.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.52%	
35) Dibromofluoromethane	7.73	113	145816	49.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.60%	
50) Toluene-d8	10.19	98	576417	50.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.32%	
62) 4-Bromofluorobenzene	12.48	95	211660	48.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	55557	23.147	ug/l	98
3) Chloromethane	2.12	50	68631	20.353	ug/l	98
4) Vinyl Chloride	2.25	62	70127	20.607	ug/l	95
5) Bromomethane	2.63	94	60182	23.862	ug/l	94
6) Chloroethane	2.79	64	46207	21.044	ug/l	96
7) Trichlorofluoromethane	3.13	101	97096	20.858	ug/l	98
8) Diethyl Ether	3.53	74	40551	24.658	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.90	101	59102	20.935	ug/l	99
10) Methyl Iodide	4.09	142	59346	15.594	ug/l	99
11) Tert butyl alcohol	4.98	59	34545	113.402	ug/l	97
12) 1,1-Dichloroethene	3.87	96	58615	21.031	ug/l	97
13) Acrolein	3.73	56	36262	101.535	ug/l	99
14) Allyl chloride	4.48	41	102367	22.164	ug/l	95
15) Acrylonitrile	5.18	53	101934	110.743	ug/l	95
16) Acetone	3.95	43	83671	88.761	ug/l	97
17) Carbon Disulfide	4.19	76	181708	20.707	ug/l	99
18) Methyl Acetate	4.49	43	57706	24.638	ug/l	95
19) Methyl tert-butyl Ether	5.23	73	182121	23.474	ug/l	94
20) Methylene Chloride	4.72	84	74329	20.158	ug/l	96
21) trans-1,2-Dichloroethene	5.22	96	68657	21.472	ug/l	93
22) Diisopropyl ether	6.13	45	226900	23.228	ug/l	99
23) Vinyl Acetate	6.07	43	705865	110.762	ug/l	99
24) 1,1-Dichloroethane	6.03	63	120703	22.637	ug/l	97
25) 2-Butanone	7.00	43	140787	106.022	ug/l	99
26) 2,2-Dichloropropane	6.99	77	97746	19.894	ug/l	100
27) cis-1,2-Dichloroethene	6.99	96	81127	23.447	ug/l	95
28) Bromochloromethane	7.34	49	49470	21.612	ug/l	98
29) Tetrahydrofuran	7.36	42	91701	113.948	ug/l	98
30) Chloroform	7.52	83	118987	22.159	ug/l	96
31) Cyclohexane	7.80	56	114623	20.582	ug/l	96
32) 1,1,1-Trichloroethane	7.71	97	100842	21.124	ug/l	99
36) 1,1-Dichloropropene	7.93	75	90478	18.847	ug/l	99
37) Ethyl Acetate	7.08	43	56078	19.728	ug/l	98
38) Carbon Tetrachloride	7.91	117	87631	18.853	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	119909	19.085	ug/l	94
40) Benzene	8.17	78	281528	20.293	ug/l	99
41) Methacrylonitrile	7.32	41	25181m	18.611	ug/l	
42) 1,2-Dichloroethane	8.25	62	84891	21.422	ug/l	99
43) Isopropyl Acetate	8.28	43	112665	20.845	ug/l	98
44) Trichloroethene	8.95	130	77290	19.856	ug/l	97
45) 1,2-Dichloropropane	9.22	63	71775	21.082	ug/l	95
46) Dibromomethane	9.32	93	40109	21.075	ug/l	96
47) Bromodichloromethane	9.50	83	93995	20.957	ug/l	97
48) Methyl methacrylate	9.30	41	49663	20.967	ug/l	98
49) 1,4-Dioxane	9.30	88	11532	404.125	ug/l #	93
51) 4-Methyl-2-Pentanone	10.08	43	300327	107.735	ug/l	99
52) Toluene	10.25	92	174973	19.865	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	100057	20.816	ug/l	95
54) cis-1,3-Dichloropropene	9.94	75	113253	20.747	ug/l	98
55) 1,1,2-Trichloroethane	10.65	97	56596	20.453	ug/l	96
56) Ethyl methacrylate	10.52	69	83852	21.260	ug/l	99
57) 1,3-Dichloropropane	10.80	76	103938	21.871	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.79	63	202291	128.585	ug/l	100
59) 2-Hexanone	10.84	43	204234	104.378	ug/l	99
60) Dibromochloromethane	10.99	129	63427	20.680	ug/l	97
61) 1,2-Dibromoethane	11.09	107	55855	21.022	ug/l	99
64) Tetrachloroethene	10.72	164	84926	20.119	ug/l	96
65) Chlorobenzene	11.52	112	188564	20.151	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	67302	20.474	ug/l	98
67) Ethyl Benzene	11.60	91	340413	19.624	ug/l	99
68) m/p-Xylenes	11.71	106	258691	39.009	ug/l	99
69) o-Xylene	12.03	106	124537	19.686	ug/l	98
70) Styrene	12.05	104	212121	19.882	ug/l	99
71) Bromoform	12.20	173	39400	20.850	ug/l #	100
73) Isopropylbenzene	12.33	105	328455	19.676	ug/l	100
74) N-amyl acetate	12.14	43	90718	22.136	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	63280	20.190	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	44407m	16.868	ug/l	
77) Bromobenzene	12.61	156	76010	20.462	ug/l	99
78) n-propylbenzene	12.67	91	392724	19.594	ug/l	99
79) 2-Chlorotoluene	12.75	91	226106	20.427	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	278038	19.863	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	21004	17.457	ug/l	92
82) 4-Chlorotoluene	12.86	91	234931	20.079	ug/l	99
83) tert-Butylbenzene	13.08	119	230912	19.480	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	278614	20.167	ug/l	100
85) sec-Butylbenzene	13.25	105	337686	19.692	ug/l	99
86) p-Isopropyltoluene	13.37	119	292496	19.565	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	145184	19.837	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	145037	19.826	ug/l	97
89) n-Butylbenzene	13.70	91	280230	18.968	ug/l	99
90) Hexachloroethane	13.96	117	54681	19.752	ug/l	97
91) 1,2-Dichlorobenzene	13.74	146	136122	20.552	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	12414	20.884	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	91737	19.893	ug/l	100
94) Hexachlorobutadiene	15.11	225	46146	18.491	ug/l	97
95) Naphthalene	15.23	128	303592	29.501	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	83617	20.119	ug/l	97

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

