

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061219\
 Data File : VF062920.D
 Acq On : 12 Jun 2019 10:59
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/13/2019 11:32:50 AM

Quant Time: Jun 13 08:42:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 04:18:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	829773	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.77	114	1355197	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.90	117	1086679	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.60	152	523382	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	308139	53.70	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	107.40%	
35) Dibromofluoromethane	4.30	113	562828	54.96	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	109.92%	
50) Toluene-d8	7.70	98	1432735	55.33	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	110.66%	
62) 4-Bromofluorobenzene	11.49	95	498019	53.46	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	106.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	431043	45.525	ug/l	95
3) Chloromethane	1.13	50	350605	40.836	ug/l	96
4) Vinyl Chloride	1.19	62	369366	43.292	ug/l	100
5) Bromomethane	1.39	94	234025	48.096	ug/l	95
6) Chloroethane	1.44	64	131401	41.192	ug/l	88
7) Trichlorofluoromethane	1.55	101	628871	52.066	ug/l	95
8) Diethyl Ether	1.71	74	127822	53.789	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.91	101	365608	48.146	ug/l	95
10) Methyl Iodide	1.98	142	734685	48.252	ug/l #	97
11) Tert butyl alcohol	2.70	59	93195	268.111	ug/l	95
12) 1,1-Dichloroethene	1.87	96	328098	47.582	ug/l	95
13) Acrolein	2.10	56	38472	277.966	ug/l	99
14) Allyl chloride	2.20	41	323418m	60.458	ug/l	
15) Acrylonitrile	3.08	53	231896	177.544	ug/l #	93
16) Acetone	2.34	43	384070	292.450	ug/l	97
17) Carbon Disulfide	1.92	76	933775	46.333	ug/l	98
18) Methyl Acetate	2.46	43	111503	48.586	ug/l	96
19) Methyl tert-butyl Ether	2.55	73	626938	50.184	ug/l	99
20) Methylene Chloride	2.29	84	318054m	48.259	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	321562	46.511	ug/l	97
22) Diisopropyl ether	2.93	45	729167	47.977	ug/l	96
23) Vinyl Acetate	3.34	43	2507045	240.949	ug/l	100
24) 1,1-Dichloroethane	3.01	63	526869	46.430	ug/l	96
25) 2-Butanone	4.52	43	706655	231.058	ug/l	98
26) 2,2-Dichloropropane	3.78	77	383346	59.496	ug/l	100
27) cis-1,2-Dichloroethene	3.64	96	581304	50.019	ug/l	98
28) Bromochloromethane	3.90	49	289455	46.894	ug/l	97
29) Tetrahydrofuran	4.26	42	287942	246.161	ug/l	95
30) Chloroform	4.05	83	790224	49.411	ug/l	98
31) Cyclohexane	3.88	56	672315	43.761	ug/l	97
32) 1,1,1-Trichloroethane	4.29	97	540423	58.037	ug/l	98
36) 1,1-Dichloropropene	4.47	75	621138	49.787	ug/l	99
37) Ethyl Acetate	4.29	43	240631	50.457	ug/l #	73
38) Carbon Tetrachloride	4.18	117	502827	59.636	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	748460	48.203	ug/l	96
40) Benzene	4.82	78	1758163	48.422	ug/l	98
41) Methacrylonitrile	4.92	41	141627	53.419	ug/l	96
42) 1,2-Dichloroethane	5.12	62	356750	51.660	ug/l	98
43) Isopropyl Acetate	7.10	43	353340	56.086	ug/l #	97
44) Trichloroethene	5.68	130	514398	50.198	ug/l	91
45) 1,2-Dichloropropane	6.40	63	453971	49.823	ug/l	94
46) Dibromomethane	6.25	93	274001	51.506	ug/l	99
47) Bromodichloromethane	6.55	83	561883	51.863	ug/l #	97
48) Methyl methacrylate	6.88	41	173446	53.421	ug/l	94
49) 1,4-Dioxane	6.86	88	49765	1162.833	ug/l #	92
51) 4-Methyl-2-Pentanone	8.39	43	1186850	263.873	ug/l	97
52) Toluene	7.77	92	988644	50.553	ug/l	100
53) t-1,3-Dichloropropene	8.41	75	466873	52.004	ug/l	99
54) cis-1,3-Dichloropropene	7.46	75	642559	49.446	ug/l	94
55) 1,1,2-Trichloroethane	8.63	97	306148	52.400	ug/l	95
56) Ethyl methacrylate	8.75	69	332434	53.030	ug/l	99
57) 1,3-Dichloropropane	8.99	76	523644	54.884	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.45	63	613892	280.203	ug/l	96
59) 2-Hexanone	9.62	43	884746	275.975	ug/l	97
60) Dibromochloromethane	8.85	129	400595	55.382	ug/l	97
61) 1,2-Dibromoethane	9.12	107	318792	52.539	ug/l	99
64) Tetrachloroethene	8.30	164	386390	46.272	ug/l	93
65) Chlorobenzene	9.92	112	1030041	49.084	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.05	131	406295	48.614	ug/l	96
67) Ethyl Benzene	10.02	91	1699518	47.193	ug/l	100
68) m/p-Xylenes	10.25	106	1291227	93.700	ug/l	99
69) o-Xylene	10.81	106	688612	49.355	ug/l	99
70) Styrene	10.88	104	984237	47.860	ug/l	99
71) Bromoform	10.87	173	219005	54.624	ug/l #	100
73) Isopropylbenzene	11.20	105	1750666	47.938	ug/l	98
74) N-amyl acetate	11.44	43	503586	48.926	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.77	83	385610	49.445	ug/l	93
76) 1,2,3-Trichloropropane	11.86	75	243097	47.025	ug/l	97
77) Bromobenzene	11.57	156	441063	48.068	ug/l	82
78) n-propylbenzene	11.67	91	2030583	46.050	ug/l	99
79) 2-Chlorotoluene	11.78	91	1161144	46.021	ug/l	100
80) 1,3,5-Trimethylbenzene	11.88	105	1397519	46.794	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.93	75	122643m	56.037	ug/l	
82) 4-Chlorotoluene	11.96	91	1167436	47.083	ug/l	97
83) tert-Butylbenzene	12.19	119	1447148	48.902	ug/l	95
84) 1,2,4-Trimethylbenzene	12.26	105	1331029	47.006	ug/l	97
85) sec-Butylbenzene	12.36	105	1915708	49.128	ug/l	99
86) p-Isopropyltoluene	12.51	119	1603238	49.396	ug/l	99
87) 1,3-Dichlorobenzene	12.52	146	788012	48.695	ug/l	98
88) 1,4-Dichlorobenzene	12.61	146	714765	47.328	ug/l	99
89) n-Butylbenzene	12.89	91	1577040	48.302	ug/l	97
90) Hexachloroethane	12.97	117	411642	52.000	ug/l	97
91) 1,2-Dichlorobenzene	12.99	146	707821	49.764	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.68	75	48484	57.063	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	507655	51.981	ug/l	97
94) Hexachlorobutadiene	14.22	225	354087	52.409	ug/l	98
95) Naphthalene	14.49	128	896394	56.025	ug/l	100
96) 1,2,3-Trichlorobenzene	14.63	180	463913	52.039	ug/l	98

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

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