

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051719\
 Data File : VF062630.D
 Acq On : 17 May 2019 10:03
 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
 5/20/2019 2:51:46 PM

Quant Time: May 18 01:48:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	810008	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1298073	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	1003084	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	523727	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.04	65	281631	49.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.40%	
35) Dibromofluoromethane	4.32	113	504414	50.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.56%	
50) Toluene-d8	7.72	98	1248603	52.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.30%	
62) 4-Bromofluorobenzene	11.50	95	459995	51.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	494848	44.892	ug/l	96
3) Chloromethane	1.15	50	478942	47.187	ug/l	98
4) Vinyl Chloride	1.20	62	456071	48.815	ug/l	99
5) Bromomethane	1.41	94	263656	51.585	ug/l	90
6) Chloroethane	1.45	64	181108	52.781	ug/l	96
7) Trichlorofluoromethane	1.55	101	583913	46.547	ug/l	98
8) Diethyl Ether	1.72	74	116957	47.062	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	1.93	101	382929	47.939	ug/l	95
10) Methyl Iodide	2.00	142	722905m	46.070	ug/l	
11) Tert butyl alcohol	2.71	59	86487	228.864	ug/l	98
12) 1,1-Dichloroethene	1.89	96	362087	49.761	ug/l	95
13) Acrolein	2.10	56	98129	248.761	ug/l	99
14) Allyl chloride	2.20	41	343771	52.200	ug/l	99
15) Acrylonitrile	3.10	53	386842	362.897	ug/l #	92
16) Acetone	2.35	43	382679	257.702	ug/l	96
17) Carbon Disulfide	1.93	76	1120549m	51.956	ug/l	
18) Methyl Acetate	2.47	43	105247	45.102	ug/l	99
19) Methyl tert-butyl Ether	2.56	73	626640	48.174	ug/l	98
20) Methylene Chloride	2.35	84	331853m	44.584	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	343250	48.262	ug/l	95
22) Diisopropyl ether	2.95	45	795264	48.961	ug/l	97
23) Vinyl Acetate	3.36	43	2566172	234.205	ug/l	99
24) 1,1-Dichloroethane	3.02	63	588293	49.371	ug/l	99
25) 2-Butanone	4.54	43	768129	242.111	ug/l	100
26) 2,2-Dichloropropane	3.79	77	350106	51.352	ug/l	94
27) cis-1,2-Dichloroethene	3.66	96	576772	49.301	ug/l	96
28) Bromochloromethane	3.92	49	303265	45.379	ug/l	95
29) Tetrahydrofuran	4.27	42	306595	238.809	ug/l	98
30) Chloroform	4.07	83	787495	47.601	ug/l	96
31) Cyclohexane	3.89	56	774267	48.394	ug/l	98
32) 1,1,1-Trichloroethane	4.30	97	541721	49.305	ug/l	98
36) 1,1-Dichloropropene	4.49	75	653095	49.100	ug/l	99
37) Ethyl Acetate	4.32	43	244051	44.937	ug/l #	74
38) Carbon Tetrachloride	4.19	117	460565	46.040	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	848470	53.014	ug/l	97
40) Benzene	4.83	78	1768570	48.807	ug/l	99
41) Methacrylonitrile	4.94	41	134910	47.382	ug/l	97
42) 1,2-Dichloroethane	5.14	62	348564	48.237	ug/l	94
43) Isopropyl Acetate	7.12	43	303028	43.068	ug/l #	99
44) Trichloroethene	5.70	130	509125	49.991	ug/l	92
45) 1,2-Dichloropropane	6.42	63	442822	48.410	ug/l	98
46) Dibromomethane	6.27	93	267637	50.627	ug/l	97
47) Bromodichloromethane	6.57	83	545584	49.713	ug/l	98
48) Methyl methacrylate	6.88	41	180627	49.116	ug/l	97
49) 1,4-Dioxane	6.87	88	45778	971.888	ug/l	98
51) 4-Methyl-2-Pentanone	8.41	43	1088615	226.354	ug/l	97
52) Toluene	7.79	92	954449	50.224	ug/l	99
53) t-1,3-Dichloropropene	8.43	75	446771	49.759	ug/l	95
54) cis-1,3-Dichloropropene	7.47	75	627022	49.888	ug/l	96
55) 1,1,2-Trichloroethane	8.65	97	272857	48.492	ug/l	96
56) Ethyl methacrylate	8.77	69	296486	44.228	ug/l	98
57) 1,3-Dichloropropane	9.00	76	458656	47.856	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.46	63	547274	250.809	ug/l	95
59) 2-Hexanone	9.64	43	781665	249.797	ug/l	99
60) Dibromochloromethane	8.88	129	353010	48.136	ug/l	100
61) 1,2-Dibromoethane	9.14	107	289131	48.378	ug/l	95
64) Tetrachloroethene	8.31	164	380826	47.923	ug/l	98
65) Chlorobenzene	9.94	112	970192	49.244	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	401313	50.741	ug/l	97
67) Ethyl Benzene	10.04	91	1673900	48.907	ug/l	99
68) m/p-Xylenes	10.27	106	1247957	97.015	ug/l	95
69) o-Xylene	10.83	106	648729	48.962	ug/l	97
70) Styrene	10.90	104	927406	46.051	ug/l	99
71) Bromoform	10.89	173	192474	48.590	ug/l #	99
73) Isopropylbenzene	11.22	105	1732828	46.164	ug/l	100
74) N-amyl acetate	11.46	43	420007	43.248	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.77	83	349821	45.603	ug/l	99
76) 1,2,3-Trichloropropane	11.87	75	226584	44.954	ug/l	89
77) Bromobenzene	11.59	156	432928	46.400	ug/l	97
78) n-propylbenzene	11.68	91	2020876	45.492	ug/l	95
79) 2-Chlorotoluene	11.80	91	1187891	47.449	ug/l	98
80) 1,3,5-Trimethylbenzene	11.90	105	1456684	48.397	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.94	75	102396m	45.703	ug/l	
82) 4-Chlorotoluene	11.98	91	1170271	47.402	ug/l	99
83) tert-Butylbenzene	12.21	119	1438986	47.124	ug/l	99
84) 1,2,4-Trimethylbenzene	12.28	105	1325473	45.500	ug/l	97
85) sec-Butylbenzene	12.38	105	1898155	46.319	ug/l	100
86) p-Isopropyltoluene	12.52	119	1662646	48.142	ug/l	98
87) 1,3-Dichlorobenzene	12.54	146	795582	47.130	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	764550	48.264	ug/l	98
89) n-Butylbenzene	12.91	91	1503871	44.165	ug/l	99
90) Hexachloroethane	12.98	117	397614	47.993	ug/l	91
91) 1,2-Dichlorobenzene	13.01	146	701533	46.622	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.70	75	47961	52.409	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	508337	47.196	ug/l	97
94) Hexachlorobutadiene	14.24	225	378741	50.387	ug/l	92
95) Naphthalene	14.49	128	873021	44.616	ug/l	98
96) 1,2,3-Trichlorobenzene	14.64	180	477552	46.809	ug/l	99

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

