

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051519\
 Data File : VF062603.D
 Acq On : 15 May 2019 11:50
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Quant Time: May 15 15:35:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051419S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 15 05:06:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.08	168	688039	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.80	114	1114729	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	815266	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	394355	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.05	65	246622	47.45	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	94.90%	
35) Dibromofluoromethane	4.33	113	408769	49.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.54%	
50) Toluene-d8	7.73	98	985693	50.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.84%	
62) 4-Bromofluorobenzene	11.50	95	340532	49.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	291308	46.648	ug/l	92
3) Chloromethane	1.15	50	320750	40.878	ug/l	96
4) Vinyl Chloride	1.19	62	326757	41.842	ug/l	99
5) Bromomethane	1.39	94	170578	45.481	ug/l	97
6) Chloroethane	1.45	64	140107	47.243	ug/l	94
7) Trichlorofluoromethane	1.56	101	471320	44.049	ug/l	98
8) Diethyl Ether	1.72	74	102494	42.732	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	1.92	101	301759	41.345	ug/l #	90
10) Methyl Iodide	1.99	142	554114	42.628	ug/l	98
11) Tert butyl alcohol	2.70	59	77092	246.343	ug/l	97
12) 1,1-Dichloroethene	1.88	96	271264	43.387	ug/l	97
13) Acrolein	2.11	56	70638	340.589	ug/l	87
14) Allyl chloride	2.21	41	340700	53.256	ug/l	99
15) Acrylonitrile	3.10	53	313549	280.089	ug/l	96
16) Acetone	2.36	43	319652	303.070	ug/l	90
17) Carbon Disulfide	1.92	76	609582	46.511	ug/l	97
18) Methyl Acetate	2.48	43	114613	52.321	ug/l	97
19) Methyl tert-butyl Ether	2.56	73	569667	51.174	ug/l	99
20) Methylene Chloride	2.30	84	289496m	43.288	ug/l	
21) trans-1,2-Dichloroethene	2.44	96	272127	43.189	ug/l	98
22) Diisopropyl ether	2.95	45	721270	48.490	ug/l	97
23) Vinyl Acetate	3.36	43	1939016	238.326	ug/l	99
24) 1,1-Dichloroethane	3.03	63	497428	43.930	ug/l	99
25) 2-Butanone	4.55	43	610686	256.111	ug/l	98
26) 2,2-Dichloropropane	3.80	77	304272	49.790	ug/l	97
27) cis-1,2-Dichloroethene	3.67	96	420924	47.284	ug/l	94
28) Bromochloromethane	3.92	49	279302	43.881	ug/l #	77
29) Tetrahydrofuran	4.28	42	232881	230.795	ug/l	96
30) Chloroform	4.07	83	624643	45.973	ug/l	95
31) Cyclohexane	3.89	56	520797	44.129	ug/l	93
32) 1,1,1-Trichloroethane	4.31	97	419694	45.826	ug/l	93
36) 1,1-Dichloropropene	4.50	75	461534	47.849	ug/l	98
37) Ethyl Acetate	4.33	43	183938	46.404	ug/l #	80
38) Carbon Tetrachloride	4.21	117	378758	47.867	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.66	83	532250	47.129	ug/l	92
40) Benzene	4.84	78	1311006	47.775	ug/l	99
41) Methacrylonitrile	4.95	41	111238	49.557	ug/l	95
42) 1,2-Dichloroethane	5.15	62	271062	46.549	ug/l	96
43) Isopropyl Acetate	7.13	43	248549	52.990	ug/l #	94
44) Trichloroethene	5.71	130	354823	47.879	ug/l	99
45) 1,2-Dichloropropane	6.43	63	347255	50.274	ug/l	97
46) Dibromomethane	6.28	93	193519	50.112	ug/l	99
47) Bromodichloromethane	6.58	83	427371	51.480	ug/l	98
48) Methyl methacrylate	6.89	41	126669	49.337	ug/l	92
49) 1,4-Dioxane	6.88	88	26198	774.331	ug/l #	79
51) 4-Methyl-2-Pentanone	8.42	43	884684	257.409	ug/l	97
52) Toluene	7.80	92	673066	48.861	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	321992	49.095	ug/l	98
54) cis-1,3-Dichloropropene	7.47	75	462641	49.918	ug/l	100
55) 1,1,2-Trichloroethane	8.66	97	214438	51.992	ug/l	94
56) Ethyl methacrylate	8.77	69	231825	51.284	ug/l	98
57) 1,3-Dichloropropane	9.01	76	335299	49.256	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.46	63	347091	245.400	ug/l	100
59) 2-Hexanone	9.63	43	616065	271.410	ug/l	98
60) Dibromochloromethane	8.87	129	282438	53.898	ug/l	97
61) 1,2-Dibromoethane	9.15	107	210162	50.805	ug/l	98
64) Tetrachloroethene	8.32	164	257634	47.823	ug/l	94
65) Chlorobenzene	9.95	112	677751	47.818	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.07	131	305540	52.483	ug/l	95
67) Ethyl Benzene	10.05	91	1207914	47.967	ug/l	96
68) m/p-Xylenes	10.27	106	877068	98.265	ug/l	98
69) o-Xylene	10.83	106	472001	50.411	ug/l	99
70) Styrene	10.90	104	676932	47.580	ug/l	98
71) Bromoform	10.89	173	145205	52.973	ug/l #	93
73) Isopropylbenzene	11.23	105	1282136	48.355	ug/l	97
74) N-amyl acetate	11.46	43	335008	52.034	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.78	83	263379	48.486	ug/l	97
76) 1,2,3-Trichloropropane	11.88	75	167291	48.039	ug/l	90
77) Bromobenzene	11.59	156	302601	50.501	ug/l	85
78) n-propylbenzene	11.68	91	1479424	46.909	ug/l	98
79) 2-Chlorotoluene	11.81	91	836017	48.032	ug/l	93
80) 1,3,5-Trimethylbenzene	11.91	105	1044942	50.345	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.95	75	75493m	50.861	ug/l	
82) 4-Chlorotoluene	11.98	91	833401	48.969	ug/l	99
83) tert-Butylbenzene	12.20	119	1121075	51.636	ug/l	96
84) 1,2,4-Trimethylbenzene	12.27	105	995495	48.827	ug/l	97
85) sec-Butylbenzene	12.38	105	1448041	49.126	ug/l	93
86) p-Isopropyltoluene	12.53	119	1222391	50.380	ug/l	96
87) 1,3-Dichlorobenzene	12.55	146	553945	47.266	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	530746	48.277	ug/l	98
89) n-Butylbenzene	12.90	91	1178804	47.728	ug/l	96
90) Hexachloroethane	12.98	117	313077	50.373	ug/l	84
91) 1,2-Dichlorobenzene	13.00	146	527819	50.767	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.69	75	32660	48.948	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	366908	50.748	ug/l	97
94) Hexachlorobutadiene	14.23	225	256844	48.904	ug/l	96
95) Naphthalene	14.50	128	662585	56.305	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	352023	52.484	ug/l	98

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

