

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051419\
 Data File : VF062587.D
 Acq On : 14 May 2019 17:20
 Operator : FY/SY
 Sample : VSTDIC075
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Quant Time: May 15 04:58:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051419S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 15 04:31:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.09	168	613859	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.80	114	1048582	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	771231	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	369570	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.06	65	329765	49.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.18%	
35) Dibromofluoromethane	4.33	113	565027	72.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	144.72%	
50) Toluene-d8	7.73	98	1317431	59.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.92%	
62) 4-Bromofluorobenzene	11.51	95	462084	52.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	425028	50.307	ug/l	94
3) Chloromethane	1.15	50	461015	62.644	ug/l	99
4) Vinyl Chloride	1.20	62	457118	62.686	ug/l	100
5) Bromomethane	1.40	94	235506	41.133	ug/l	85
6) Chloroethane	1.46	64	197727	52.513	ug/l	95
7) Trichlorofluoromethane	1.56	101	667788	63.051	ug/l	94
8) Diethyl Ether	1.72	74	140375	62.587	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.93	101	443164	64.109	ug/l #	95
10) Methyl Iodide	2.01	142	752069	64.100	ug/l	98
11) Tert butyl alcohol	2.71	59	95860	307.337	ug/l #	89
12) 1,1-Dichloroethene	1.89	96	382372	61.089	ug/l	99
13) Acrolein	2.12	56	47529	157.806	ug/l	86
14) Allyl chloride	2.21	41	423917m	53.595	ug/l	
15) Acrylonitrile	3.11	53	428671	459.508	ug/l	96
16) Acetone	2.36	43	342793	266.982	ug/l	92
17) Carbon Disulfide	1.92	76	872194	45.466	ug/l	98
18) Methyl Acetate	2.48	43	148565	47.757	ug/l	100
19) Methyl tert-butyl Ether	2.57	73	750411	66.288	ug/l	100
20) Methylene Chloride	2.30	84	417469m	55.548	ug/l	
21) trans-1,2-Dichloroethene	2.44	96	368038	65.357	ug/l	97
22) Diisopropyl ether	2.95	45	964602	52.784	ug/l	97
23) Vinyl Acetate	3.37	43	2634365	299.857	ug/l	99
24) 1,1-Dichloroethane	3.04	63	691807	62.637	ug/l	100
25) 2-Butanone	4.55	43	736589	305.770	ug/l	94
26) 2,2-Dichloropropane	3.80	77	376796	64.246	ug/l	96
27) cis-1,2-Dichloroethene	3.67	96	547213	73.364	ug/l	97
28) Bromochloromethane	3.93	49	391617	78.508	ug/l	98
29) Tetrahydrofuran	4.29	42	315068	302.999	ug/l	96
30) Chloroform	4.08	83	821440	61.718	ug/l	92
31) Cyclohexane	3.91	56	709604	65.115	ug/l	98
32) 1,1,1-Trichloroethane	4.32	97	565613	64.471	ug/l	96
36) 1,1-Dichloropropene	4.51	75	605609	53.411	ug/l	97
37) Ethyl Acetate	4.33	43	259110	49.394	ug/l #	80
38) Carbon Tetrachloride	4.22	117	498960	57.021	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.66	83	710242	61.948	ug/l	98
40) Benzene	4.86	78	1712184	67.011	ug/l	98
41) Methacrylonitrile	4.96	41	149532	50.581	ug/l	95
42) 1,2-Dichloroethane	5.16	62	387165	43.328	ug/l	98
43) Isopropyl Acetate	7.13	43	311930	55.090	ug/l	92
44) Trichloroethene	5.71	130	467942	60.540	ug/l	97
45) 1,2-Dichloropropane	6.43	63	453654	74.606	ug/l	96
46) Dibromomethane	6.30	93	251936	62.204	ug/l	97
47) Bromodichloromethane	6.58	83	564411	52.777	ug/l	97
48) Methyl methacrylate	6.91	41	175968	41.849	ug/l	93
49) 1,4-Dioxane	6.90	88	42591	1556.749	ug/l	89
51) 4-Methyl-2-Pentanone	8.42	43	1102214	258.106	ug/l	99
52) Toluene	7.80	92	878718	55.436	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	424772	49.486	ug/l	98
54) cis-1,3-Dichloropropene	7.49	75	617275	57.940	ug/l	96
55) 1,1,2-Trichloroethane	8.66	97	273925	61.771	ug/l	96
56) Ethyl methacrylate	8.78	69	293661	50.528	ug/l	94
57) 1,3-Dichloropropane	9.03	76	449424	60.184	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.48	63	467726	508.874	ug/l	99
59) 2-Hexanone	9.65	43	728947	242.401	ug/l	98
60) Dibromochloromethane	8.89	129	371568	58.836	ug/l	98
61) 1,2-Dibromoethane	9.15	107	285815	61.286	ug/l	97
64) Tetrachloroethene	8.33	164	340328	60.563	ug/l	96
65) Chlorobenzene	9.95	112	934773	63.036	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.08	131	405537	63.365	ug/l	98
67) Ethyl Benzene	10.05	91	1625130	56.695	ug/l	98
68) m/p-Xylenes	10.28	106	1156131	112.562	ug/l	97
69) o-Xylene	10.84	106	642028	62.143	ug/l	94
70) Styrene	10.91	104	950662	60.136	ug/l	97
71) Bromoform	10.90	173	193606	59.216	ug/l #	93
73) Isopropylbenzene	11.23	105	1736208	58.200	ug/l	95
74) N-amyl acetate	11.46	43	417022	52.236	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.79	83	355243	72.915	ug/l	97
76) 1,2,3-Trichloropropane	11.88	75	219105	59.919	ug/l	89
77) Bromobenzene	11.60	156	412532	65.310	ug/l	85
78) n-propylbenzene	11.69	91	1968582	56.706	ug/l	98
79) 2-Chlorotoluene	11.82	91	1143056	57.643	ug/l	91
80) 1,3,5-Trimethylbenzene	11.91	105	1354659	54.494	ug/l	92
81) trans-1,4-Dichloro-2-buten	11.95	75	94196m	64.047	ug/l	
82) 4-Chlorotoluene	11.99	91	1091021	54.424	ug/l	92
83) tert-Butylbenzene	12.21	119	1493087	59.327	ug/l	96
84) 1,2,4-Trimethylbenzene	12.28	105	1366178	55.173	ug/l	99
85) sec-Butylbenzene	12.39	105	1955004	60.973	ug/l	91
86) p-Isopropyltoluene	12.53	119	1605275	56.353	ug/l	96
87) 1,3-Dichlorobenzene	12.55	146	748692	62.610	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	710652	58.633	ug/l	98
89) n-Butylbenzene	12.91	91	1556869	56.200	ug/l	96
90) Hexachloroethane	12.99	117	424227	63.397	ug/l	83
91) 1,2-Dichlorobenzene	13.01	146	689848	60.926	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.70	75	42212	41.737	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	499324	60.426	ug/l	97
94) Hexachlorobutadiene	14.24	225	362929	67.668	ug/l	99
95) Naphthalene	14.51	128	882422	65.168	ug/l	98
96) 1,2,3-Trichlorobenzene	14.65	180	461341	63.992	ug/l	97

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

