

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF053019\
 Data File : VF062799.D
 Acq On : 30 May 2019 17:28
 Operator : FY/SY
 Sample : VSTDICV050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVV053019

Quant Time: May 31 05:46:08 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	5.08	168	979615	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.80	114	1622833	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	1270211	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	579716	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.05	65	342732	50.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.18%	
35) Dibromofluoromethane	4.33	113	626101	51.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.12%	
50) Toluene-d8	7.73	98	1582476	51.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.06%	
62) 4-Bromofluorobenzene	11.51	95	577720	51.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	505926	45.233	ug/l	97
3) Chloromethane	1.16	50	469055	46.275	ug/l	98
4) Vinyl Chloride	1.20	62	466022	46.266	ug/l	99
5) Bromomethane	1.41	94	284771	49.574	ug/l	96
6) Chloroethane	1.45	64	180267	47.866	ug/l	95
7) Trichlorofluoromethane	1.57	101	637352	44.697	ug/l	92
8) Diethyl Ether	1.72	74	116968	41.693	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	1.93	101	415444	46.340	ug/l	97
10) Methyl Iodide	2.00	142	812429	45.197	ug/l	99
11) Tert butyl alcohol	2.72	59	96277	234.611	ug/l	96
12) 1,1-Dichloroethene	1.89	96	372991	45.818	ug/l	98
13) Acrolein	2.11	56	42577	260.041	ug/l	95
14) Allyl chloride	2.21	41	286280	45.330	ug/l	97
15) Acrylonitrile	3.11	53	272440	176.680	ug/l	92
16) Acetone	2.36	43	400704	258.446	ug/l	96
17) Carbon Disulfide	1.94	76	1098020	46.149	ug/l	99
18) Methyl Acetate	2.48	43	114856m	42.392	ug/l	
19) Methyl tert-butyl Ether	2.57	73	695065	47.127	ug/l	98
20) Methylene Chloride	2.35	84	382217m	49.180	ug/l	
21) trans-1,2-Dichloroethene	2.44	96	373593	45.771	ug/l	97
22) Diisopropyl ether	2.95	45	871594	48.576	ug/l	99
23) Vinyl Acetate	3.37	43	2952020	240.318	ug/l	98
24) 1,1-Dichloroethane	3.03	63	615292	45.928	ug/l	97
25) 2-Butanone	4.55	43	909704	251.952	ug/l	98
26) 2,2-Dichloropropane	3.80	77	356205	46.827	ug/l	94
27) cis-1,2-Dichloroethene	3.67	96	633066	46.141	ug/l	96
28) Bromochloromethane	3.93	49	378234	51.904	ug/l	99
29) Tetrahydrofuran	4.29	42	343184	248.511	ug/l	99
30) Chloroform	4.08	83	883894	46.814	ug/l	99
31) Cyclohexane	3.91	56	880675	48.556	ug/l	95
32) 1,1,1-Trichloroethane	4.31	97	593097	53.952	ug/l	98
36) 1,1-Dichloropropene	4.50	75	761051	50.942	ug/l	97
37) Ethyl Acetate	4.33	43	286000	50.080	ug/l	95
38) Carbon Tetrachloride	4.21	117	535423	53.029	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	865921	46.570	ug/l	98
40) Benzene	4.84	78	2084724	47.947	ug/l	97
41) Methacrylonitrile	4.95	41	151358	47.675	ug/l	97
42) 1,2-Dichloroethane	5.15	62	409191	49.482	ug/l	95
43) Isopropyl Acetate	7.13	43	381098	50.516	ug/l #	96
44) Trichloroethene	5.70	130	552189	44.999	ug/l	99
45) 1,2-Dichloropropane	6.43	63	539129	49.411	ug/l	94
46) Dibromomethane	6.28	93	320161	50.258	ug/l	98
47) Bromodichloromethane	6.58	83	659687	50.848	ug/l	97
48) Methyl methacrylate	6.89	41	196164	50.454	ug/l	91
49) 1,4-Dioxane	6.89	88	54274	1059.044	ug/l	99
51) 4-Methyl-2-Pentanone	8.42	43	1337251	248.279	ug/l	98
52) Toluene	7.80	92	1103432	47.117	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	526710	48.993	ug/l	98
54) cis-1,3-Dichloropropene	7.48	75	744563	47.846	ug/l	99
55) 1,1,2-Trichloroethane	8.66	97	335380	47.937	ug/l	98
56) Ethyl methacrylate	8.78	69	382396	50.940	ug/l	98
57) 1,3-Dichloropropane	9.01	76	583880	51.105	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.47	63	686202	261.554	ug/l	100
59) 2-Hexanone	9.64	43	994184	258.968	ug/l	95
60) Dibromochloromethane	8.88	129	429961	49.638	ug/l	99
61) 1,2-Dibromoethane	9.15	107	364235	50.128	ug/l	96
64) Tetrachloroethene	8.32	164	436226	44.692	ug/l	93
65) Chlorobenzene	9.95	112	1162168	47.378	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.08	131	456114	46.689	ug/l	98
67) Ethyl Benzene	10.05	91	2032532	48.286	ug/l	98
68) m/p-Xylenes	10.28	106	1520606	94.401	ug/l	99
69) o-Xylene	10.84	106	786652	48.235	ug/l	97
70) Styrene	10.91	104	1197894	49.833	ug/l	99
71) Bromoform	10.90	173	229074	48.880	ug/l #	99
73) Isopropylbenzene	11.23	105	2028805	50.156	ug/l	100
74) N-amyl acetate	11.46	43	586565	51.450	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	395036	45.731	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	248318	43.367	ug/l	95
77) Bromobenzene	11.60	156	501776	49.370	ug/l	96
78) n-propylbenzene	11.69	91	2274691	46.573	ug/l	98
79) 2-Chlorotoluene	11.81	91	1289907	46.156	ug/l	93
80) 1,3,5-Trimethylbenzene	11.91	105	1493993	45.163	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.95	75	113191m	46.693	ug/l	
82) 4-Chlorotoluene	11.98	91	1300308	47.345	ug/l	95
83) tert-Butylbenzene	12.21	119	1518621	46.331	ug/l	97
84) 1,2,4-Trimethylbenzene	12.28	105	1481319	47.230	ug/l	96
85) sec-Butylbenzene	12.39	105	2047201	47.399	ug/l	96
86) p-Isopropyltoluene	12.53	119	1709293	47.546	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	821316	45.821	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	785716	46.971	ug/l	96
89) n-Butylbenzene	12.91	91	1674151	46.294	ug/l	98
90) Hexachloroethane	12.99	117	416550	47.507	ug/l	97
91) 1,2-Dichlorobenzene	13.01	146	734375	46.613	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.70	75	42806	45.485	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	528898	48.894	ug/l	99
94) Hexachlorobutadiene	14.24	225	364221	48.670	ug/l	98
95) Naphthalene	14.50	128	943329	53.229	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	493663	49.995	ug/l	97

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

