

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF040419\
 Data File : VF062159.D
 Acq On : 4 Apr 2019 16:08
 Operator : FY/SY
 Sample : VSTDIC010
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Quant Time: Apr 05 05:04:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F040419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 05 04:46:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	199867	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.57	114	323922	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.75	117	255642	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	131206	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.82	65	22586	13.72	ug/l	0.00
Spiked Amount			Recovery	=	27.44%	
35) Dibromofluoromethane	4.10	113	22721	10.17	ug/l	0.01
Spiked Amount			Recovery	=	20.34%	
50) Toluene-d8	7.52	98	61405	9.28	ug/l	0.00
Spiked Amount			Recovery	=	18.56%	
62) 4-Bromofluorobenzene	11.38	95	28021	10.87	ug/l	0.00
Spiked Amount			Recovery	=	21.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	34522	13.262	ug/l	94
3) Chloromethane	1.07	50	28882	10.981	ug/l #	81
4) Vinyl Chloride	1.13	62	26619	10.865	ug/l	94
5) Bromomethane	1.31	94	22554	12.614	ug/l	95
6) Chloroethane	1.39	64	15856	12.621	ug/l	98
7) Trichlorofluoromethane	1.48	101	39477	12.900	ug/l	95
8) Diethyl Ether	1.63	74	7128	10.492	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.82	101	24156	11.883	ug/l	97
10) Methyl Iodide	1.89	142	44244m	11.489	ug/l	
11) Tert butyl alcohol	2.56	59	5982	70.756	ug/l #	53
12) 1,1-Dichloroethene	1.77	96	20391	10.590	ug/l #	77
13) Acrolein	2.00	56	5009	50.209	ug/l #	77
14) Allyl chloride	2.09	41	33155	15.415	ug/l	88
15) Acrylonitrile	2.92	53	15847	55.030	ug/l	93
16) Acetone	2.23	43	21505	63.638	ug/l #	88
17) Carbon Disulfide	1.82	76	70416	11.956	ug/l #	82
18) Methyl Acetate	2.33	43	11908	15.309	ug/l #	87
19) Methyl tert-butyl Ether	2.41	73	37856	12.039	ug/l	93
20) Methylene Chloride	2.17	84	30635m	14.033	ug/l	
21) trans-1,2-Dichloroethene	2.29	96	23908	12.797	ug/l #	87
22) Diisopropyl ether	2.79	45	69735	12.627	ug/l #	95
23) Vinyl Acetate	3.17	43	144541	62.666	ug/l #	92
24) 1,1-Dichloroethane	2.85	63	39301	11.880	ug/l #	98
25) 2-Butanone	4.31	43	41401	61.964	ug/l	97
26) 2,2-Dichloropropane	3.57	77	22895	16.333	ug/l	95
27) cis-1,2-Dichloroethene	3.46	96	24192	9.792	ug/l	94
28) Bromochloromethane	3.69	49	16181	11.652	ug/l #	86
29) Tetrahydrofuran	4.05	42	17425	60.191	ug/l	95
30) Chloroform	3.83	83	44356	12.426	ug/l #	68
31) Cyclohexane	3.66	56	38265m	11.310	ug/l	
32) 1,1,1-Trichloroethane	4.08	97	34074	14.919	ug/l	89
36) 1,1-Dichloropropene	4.25	75	38301	12.140	ug/l	98
37) Ethyl Acetate	4.08	43	18510	13.509	ug/l #	85
38) Carbon Tetrachloride	3.96	117	32111	14.626	ug/l	91

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39) Methylcyclohexane	5.43	83	39630	11.307	ug/l	93
40) Benzene	4.61	78	81172	9.944	ug/l	95
41) Methacrylonitrile	4.73	41	8466	11.624	ug/l #	76
42) 1,2-Dichloroethane	4.92	62	31028	14.832	ug/l	88
43) Isopropyl Acetate	6.93	43	21447	13.149	ug/l #	91
44) Trichloroethene	5.48	130	27341	10.924	ug/l	85
45) 1,2-Dichloropropane	6.20	63	20575	10.488	ug/l #	82
46) Dibromomethane	6.08	93	12784	10.530	ug/l #	72
47) Bromodichloromethane	6.35	83	36279	13.066	ug/l #	88
48) Methyl methacrylate	6.70	41	14721	14.989	ug/l	90
49) 1,4-Dioxane	6.70	88	1660	208.882	ug/l #	72
51) 4-Methyl-2-Pentanone	8.23	43	69571	62.266	ug/l	92
52) Toluene	7.60	92	49994	10.384	ug/l	98
53) t-1,3-Dichloropropene	8.25	75	28713	13.064	ug/l #	87
54) cis-1,3-Dichloropropene	7.28	75	34844	11.455	ug/l #	92
55) 1,1,2-Trichloroethane	8.47	97	15654	11.580	ug/l #	85
56) Ethyl methacrylate	8.60	69	19517	11.867	ug/l #	84
57) 1,3-Dichloropropane	8.83	76	23045	10.277	ug/l #	84
58) 2-Chloroethyl Vinyl ether	7.27	63	10360	41.946	ug/l #	86
59) 2-Hexanone	9.46	43	49014	60.262	ug/l	86
60) Dibromochloromethane	8.70	129	21765	11.428	ug/l	83
61) 1,2-Dibromoethane	8.96	107	15823	10.983	ug/l	90
64) Tetrachloroethene	8.12	164	20590	10.457	ug/l	87
65) Chlorobenzene	9.77	112	54918	11.378	ug/l	96
66) 1,1,1,2-Tetrachloroethane	9.91	131	25609	13.002	ug/l	88
67) Ethyl Benzene	9.88	91	103118	12.010	ug/l	93
68) m/p-Xylenes	10.10	106	78995	24.726	ug/l	96
69) o-Xylene	10.69	106	38873	11.878	ug/l	94
70) Styrene	10.76	104	58065	11.493	ug/l	93
71) Bromoform	10.75	173	11239	11.113	ug/l #	70
73) Isopropylbenzene	11.11	105	114118	12.166	ug/l	98
74) N-amyl acetate	11.35	43	32352	14.216	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	11.68	83	17993	11.413	ug/l	88
76) 1,2,3-Trichloropropane	11.78	75	13862	12.081	ug/l	97
77) Bromobenzene	11.47	156	24330	10.764	ug/l	95
78) n-propylbenzene	11.57	91	136000	12.334	ug/l	99
79) 2-Chlorotoluene	11.70	91	79511	13.009	ug/l	96
80) 1,3,5-Trimethylbenzene	11.81	105	103772	13.232	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.85	75	5710m	12.129	ug/l	
82) 4-Chlorotoluene	11.88	91	82061	12.934	ug/l	92
83) tert-Butylbenzene	12.11	119	100950	12.411	ug/l	98
84) 1,2,4-Trimethylbenzene	12.18	105	97853	12.758	ug/l	94
85) sec-Butylbenzene	12.29	105	120761	11.524	ug/l	95
86) p-Isopropyltoluene	12.44	119	114348	12.382	ug/l	94
87) 1,3-Dichlorobenzene	12.46	146	47224	11.071	ug/l	95
88) 1,4-Dichlorobenzene	12.55	146	48357	11.766	ug/l	98
89) n-Butylbenzene	12.82	91	111679	12.749	ug/l	94
90) Hexachloroethane	12.90	117	24942	11.569	ug/l	91
91) 1,2-Dichlorobenzene	12.92	146	45767	11.583	ug/l	92
92) 1,2-Dibromo-3-Chloropropan	13.63	75	3016	12.025	ug/l	91

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93) 1,2,4-Trichlorobenzene	14.18	180	30987	11.134	ug/l	92
94) Hexachlorobutadiene	14.17	225	21934	11.931	ug/l	95
95) Naphthalene	14.44	128	50998	10.710	ug/l	97
96) 1,2,3-Trichlorobenzene	14.58	180	26698	10.462	ug/l	98

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

