

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060319\
 Data File : VF062828.D
 Acq On : 3 Jun 2019 14:56
 Operator : FY/SY
 Sample : K3097-08
 Misc : 5.04g/5mL/MSVOA F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 0428-HR-8(HACKENSACK)

Quant Time: Jun 04 08:52:12 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	5.09	168	63	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.89	114	165	50.00	ug/l	0.09
63) Chlorobenzene-d5	10.04	117	272	50.00	ug/l	0.11
72) 1,4-Dichlorobenzene-d4	12.61	152	262	50.00	ug/l	-0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.07	65	552	1267.07	ug/l	0.02
Spiked Amount	50.000		Recovery	=	2534.14%	
35) Dibromofluoromethane	4.40	113	266	213.34	ug/l	0.07
Spiked Amount	50.000		Recovery	=	426.68%	
50) Toluene-d8	7.77	98	279	88.49	ug/l	0.04
Spiked Amount	50.000		Recovery	=	176.98%	
62) 4-Bromofluorobenzene	11.65	95	368	324.47	ug/l	0.14
Spiked Amount	50.000		Recovery	=	648.94%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.00	85	287	435.849	ug/l #	1
3) Chloromethane	1.11	50	649	995.604	ug/l	100
4) Vinyl Chloride	1.20	62	145	223.841	ug/l #	42
5) Bromomethane	1.50	94	110	297.757	ug/l	82
6) Chloroethane	1.52	64	284	1172.594	ug/l	89
7) Trichlorofluoromethane	1.57	101	211	230.087	ug/l	87
8) Diethyl Ether	1.69	74	223	1235.991	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	1.96	101	401	695.516	ug/l #	15
10) Methyl Iodide	2.02	142	203	175.602	ug/l #	25
11) Tert butyl alcohol	2.72	59	105	3978.599	ug/l #	70
12) 1,1-Dichloroethene	1.92	96	439	838.534	ug/l #	29
13) Acrolein	2.16	56	196	19210.973	ug/l #	80
14) Allyl chloride	2.22	41	939	2311.929	ug/l #	74
15) Acrylonitrile	3.11	53	521	5253.760	ug/l #	83
16) Acetone	2.40	43	1173	11764.088	ug/l	99
17) Carbon Disulfide	1.92	76	119	77.770	ug/l #	1
18) Methyl Acetate	2.50	43	983	5641.552	ug/l	95
19) Methyl tert-butyl Ether	2.58	73	349	367.949	ug/l #	28
20) Methylene Chloride	2.36	84	383	812.601	ug/l #	53
21) trans-1,2-Dichloroethene	2.47	96	343	653.431	ug/l #	24
22) Diisopropyl ether	2.96	45	569	493.101	ug/l #	30
23) Vinyl Acetate	3.34	43	513	649.381	ug/l #	56
24) 1,1-Dichloroethane	3.06	63	203	235.617	ug/l #	88
25) 2-Butanone	4.67	43	552	2377.234	ug/l	98
26) 2,2-Dichloropropane	3.80	77	739	1510.632	ug/l #	50
27) cis-1,2-Dichloroethene	3.71	96	348	394.395	ug/l	5
28) Bromochloromethane	3.96	49	619	1320.820	ug/l #	1
29) Tetrahydrofuran	4.27	42	433	4875.522	ug/l #	78
30) Chloroform	4.11	83	196	161.415	ug/l #	51
31) Cyclohexane	3.93	56	192	164.604	ug/l #	13
32) 1,1,1-Trichloroethane	4.30	97	319	451.216	ug/l #	83
36) 1,1-Dichloropropene	4.57	75	209	137.593	ug/l #	1
37) Ethyl Acetate	4.42	43	611	1052.268	ug/l #	14
38) Carbon Tetrachloride	4.26	117	153	149.038	ug/l #	11

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.76	83	667	352.815	ug/l #	18
40) Benzene	4.91	78	289	65.373	ug/l #	1
41) Methacrylonitrile	5.01	41	1268	3928.179	ug/l #	34
42) 1,2-Dichloroethane	5.23	62	191	227.165	ug/l	69
43) Isopropyl Acetate	7.26	43	875	1140.741	ug/l #	38
44) Trichloroethene	5.80	130	115	92.174	ug/l	72
45) 1,2-Dichloropropane	6.44	63	793	714.816	ug/l	92
46) Dibromomethane	6.34	93	265	409.139	ug/l #	2
47) Bromodichloromethane	6.69	83	160	121.296	ug/l #	53
48) Methyl methacrylate	6.98	41	597	1510.215	ug/l #	59
49) 1,4-Dioxane	7.00	88	166	31858.106	ug/l #	1
51) 4-Methyl-2-Pentanone	8.46	43	1144	2089.023	ug/l	90
52) Toluene	7.91	92	59	24.779	ug/l #	1
53) t-1,3-Dichloropropene	8.60	75	518	473.900	ug/l #	43
54) cis-1,3-Dichloropropene	7.60	75	188	118.820	ug/l #	23
55) 1,1,2-Trichloroethane	8.76	97	426	598.866	ug/l #	59
56) Ethyl methacrylate	8.89	69	208	272.518	ug/l #	1
57) 1,3-Dichloropropane	9.16	76	191	164.423	ug/l #	41
58) 2-Chloroethyl Vinyl ether	7.60	63	95	356.141	ug/l #	1
59) 2-Hexanone	9.73	43	414	1060.643	ug/l	66
60) Dibromochloromethane	9.04	129	164	186.218	ug/l #	12
61) 1,2-Dibromoethane	9.27	107	160	216.576	ug/l #	1
64) Tetrachloroethene	8.32	164	329	157.405	ug/l #	1
65) Chlorobenzene	9.93	112	131	24.939	ug/l #	1
66) 1,1,1,2-Tetrachloroethane	10.06	131	251	119.984	ug/l #	15
67) Ethyl Benzene	10.03	91	187	20.746	ug/l #	42
68) m/p-Xylenes	10.34	106	476	137.999	ug/l #	1
69) o-Xylene	10.89	106	158	45.242	ug/l	62
70) Styrene	10.94	104	197	38.272	ug/l #	53
71) Bromoform	10.89	173	134	133.527	ug/l #	28
73) Isopropylbenzene	11.19	105	353	19.309	ug/l #	59
74) N-amyl acetate	11.48	43	548	106.357	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	11.79	83	156	39.959	ug/l #	5
76) 1,2,3-Trichloropropane	11.85	75	340	131.386	ug/l #	1
77) Bromobenzene	11.59	156	81	17.634	ug/l #	1
78) n-propylbenzene	11.70	91	338	15.313	ug/l #	49
79) 2-Chlorotoluene	11.87	91	487	38.558	ug/l	76
80) 1,3,5-Trimethylbenzene	11.86	105	172	11.505	ug/l	69
81) trans-1,4-Dichloro-2-buten	11.93	75	614	560.426	ug/l #	62
82) 4-Chlorotoluene	12.05	91	771	62.115	ug/l	75
83) tert-Butylbenzene	12.21	119	77	5.198	ug/l #	30
84) 1,2,4-Trimethylbenzene	12.28	105	111	7.831	ug/l #	24
85) sec-Butylbenzene	12.36	105	103	5.277	ug/l #	55
86) p-Isopropyltoluene	12.50	119	318	19.572	ug/l #	48
87) 1,3-Dichlorobenzene	12.57	146	142	17.529	ug/l #	40
88) 1,4-Dichlorobenzene	12.65	146	91	12.037	ug/l #	23
89) n-Butylbenzene	12.94	91	363	22.210	ug/l #	48
90) Hexachloroethane	12.85	117	67	16.907	ug/l	82
91) 1,2-Dichlorobenzene	13.01	146	88	12.359	ug/l #	23
92) 1,2-Dibromo-3-Chloropropan	13.70	75	130	305.645	ug/l #	1

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	112	22.909	ug/l #	11
94) Hexachlorobutadiene	14.37	225	197	58.248	ug/l #	47
95) Naphthalene	14.52	128	83	10.363	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.63	180	75	16.806	ug/l #	1

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

