

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060619\
 Data File : VF062885.D
 Acq On : 6 Jun 2019 16:27
 Operator : FY/SY
 Sample : K3097-15
 Misc : 5.01µ/5mL/MSVOA F/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 0435-HR-15(HACKENSACK)

Quant Time: Jun 07 01:13:28 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	4.92	168	148	50.00	ug/l	-0.15
34) 1,4-Difluorobenzene	5.64	114	88	50.00	ug/l	-0.16
63) Chlorobenzene-d5	9.66	117	60	50.00	ug/l	-0.27
72) 1,4-Dichlorobenzene-d4	12.65	152	393	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.89	65	446	435.79	ug/l	-0.16
Spiked Amount				50.000		
			Recovery	=	871.58%	
35) Dibromofluoromethane	4.19	113	126	189.48	ug/l	-0.14
Spiked Amount				50.000		
			Recovery	=	378.96%	
50) Toluene-d8	7.53	98	313	186.14	ug/l	-0.20
Spiked Amount				50.000		
			Recovery	=	372.28%	
62) 4-Bromofluorobenzene	11.18	95	386	638.14	ug/l	-0.33
Spiked Amount				50.000		
			Recovery	=	1276.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	75	44.295	ug/l #	1
3) Chloromethane	1.14	50	729	476.045	ug/l	91
4) Vinyl Chloride	1.06	62	447	293.737	ug/l	96
5) Bromomethane	1.31	94	627	722.464	ug/l	93
6) Chloroethane	1.44	64	413	725.869	ug/l #	36
7) Trichlorofluoromethane	1.53	101	154	71.484	ug/l #	66
8) Diethyl Ether	1.68	74	149	351.541	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	1.75	101	772	569.979	ug/l	88
10) Methyl Iodide	1.98	142	196	72.172	ug/l #	91
11) Tert butyl alcohol	2.65	59	200	3225.891	ug/l #	1
12) 1,1-Dichloroethene	1.81	96	1226	996.839	ug/l #	9
13) Acrolein	2.03	56	465	19401.126	ug/l	96
14) Allyl chloride	2.19	41	968	1014.526	ug/l #	38
15) Acrylonitrile	3.05	53	463	1987.432	ug/l #	16
16) Acetone	2.29	43	593	2531.592	ug/l #	83
17) Carbon Disulfide	1.86	76	444	123.517	ug/l #	1
18) Methyl Acetate	2.42	43	921	2250.005	ug/l #	47
19) Methyl tert-butyl Ether	2.50	73	615	276.004	ug/l #	1
20) Methylene Chloride	2.31	84	87	75.705	ug/l #	48
21) trans-1,2-Dichloroethene	2.34	96	351	284.637	ug/l #	1
22) Diisopropyl ether	2.89	45	514	189.612	ug/l #	56
23) Vinyl Acetate	3.26	43	702	378.267	ug/l #	73
24) 1,1-Dichloroethane	2.89	63	256	126.482	ug/l #	14
25) 2-Butanone	4.44	43	775	1420.736	ug/l #	27
26) 2,2-Dichloropropane	3.56	77	1221	1062.450	ug/l	98
27) cis-1,2-Dichloroethene	3.56	96	1018	491.110	ug/l	34
28) Bromochloromethane	3.80	49	268	243.426	ug/l #	74
29) Tetrahydrofuran	4.20	42	486	2329.423	ug/l #	57
30) Chloroform	3.94	83	191	66.958	ug/l #	15
31) Cyclohexane	3.81	56	244	89.044	ug/l #	21
32) 1,1,1-Trichloroethane	4.19	97	393	236.627	ug/l #	22
36) 1,1-Dichloropropene	4.25	75	650	802.349	ug/l	87
37) Ethyl Acetate	4.23	43	777	2509.039	ug/l #	58
38) Carbon Tetrachloride	4.06	117	99	180.818	ug/l #	11

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	175	173.564	ug/l #	32
40) Benzene	4.68	78	341	144.630	ug/l #	1
41) Methacrylonitrile	4.82	41	573	3328.341	ug/l #	57
42) 1,2-Dichloroethane	4.97	62	478	1065.952	ug/l	69
43) Isopropyl Acetate	6.96	43	465	1136.667	ug/l #	97
44) Trichloroethene	5.52	130	392	589.111	ug/l	3
45) 1,2-Dichloropropane	6.25	63	395	667.605	ug/l #	44
46) Dibromomethane	6.09	93	318	920.563	ug/l #	20
47) Bromodichloromethane	6.42	83	182	258.702	ug/l #	84
48) Methyl methacrylate	6.69	41	436	2068.007	ug/l #	63
49) 1,4-Dioxane	6.98	88	222	79885.161	ug/l	92
51) 4-Methyl-2-Pentanone	8.29	43	335	1147.000	ug/l	89
52) Toluene	7.67	92	65	51.185	ug/l	84
53) t-1,3-Dichloropropene	8.19	75	134	229.860	ug/l #	3
54) cis-1,3-Dichloropropene	7.21	75	339	401.729	ug/l #	1
55) 1,1,2-Trichloroethane	8.40	97	68	179.238	ug/l #	45
56) Ethyl methacrylate	8.51	69	567	1392.888	ug/l #	50
57) 1,3-Dichloropropane	8.75	76	394	635.957	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.28	63	80	562.329	ug/l #	51
59) 2-Hexanone	9.40	43	741	3559.496	ug/l	85
60) Dibromochloromethane	8.60	129	80	170.322	ug/l #	1
61) 1,2-Dibromoethane	8.97	107	142	360.395	ug/l	80
64) Tetrachloroethene	8.34	164	64	138.810	ug/l #	1
65) Chlorobenzene	10.00	112	181	156.210	ug/l #	1
66) 1,1,1,2-Tetrachloroethane	10.08	131	86	186.365	ug/l #	1
67) Ethyl Benzene	10.06	91	377	189.603	ug/l #	42
68) m/p-Xylenes	10.43	106	89	116.970	ug/l	96
69) o-Xylene	10.73	106	66	85.674	ug/l	91
70) Styrene	10.88	104	143	125.940	ug/l #	1
71) Bromoform	10.88	173	166	749.875	ug/l #	28
73) Isopropylbenzene	11.23	105	281	10.247	ug/l #	44
74) N-amyl acetate	11.48	43	1218	157.595	ug/l #	73
75) 1,1,2,2-Tetrachloroethane	11.78	83	113	19.296	ug/l #	7
76) 1,2,3-Trichloropropane	11.83	75	433	111.549	ug/l	96
77) Bromobenzene	11.61	156	99	14.369	ug/l #	1
78) n-propylbenzene	11.69	91	309	9.332	ug/l #	49
79) 2-Chlorotoluene	11.90	91	394	20.797	ug/l	91
80) 1,3,5-Trimethylbenzene	11.91	105	295	13.155	ug/l	66
81) trans-1,4-Dichloro-2-buten	11.97	75	313	190.460	ug/l #	28
82) 4-Chlorotoluene	11.90	91	394	21.162	ug/l	96
83) tert-Butylbenzene	12.24	119	144	6.480	ug/l #	30
84) 1,2,4-Trimethylbenzene	12.29	105	344	16.179	ug/l #	24
85) sec-Butylbenzene	12.39	105	62	2.117	ug/l #	55
86) p-Isopropyltoluene	12.54	119	161	6.606	ug/l #	35
87) 1,3-Dichlorobenzene	12.52	146	63	5.185	ug/l #	23
88) 1,4-Dichlorobenzene	12.63	146	83	7.319	ug/l #	28
89) n-Butylbenzene	12.93	91	366	14.929	ug/l #	24
90) Hexachloroethane	12.97	117	75	12.617	ug/l #	10
91) 1,2-Dichlorobenzene	13.00	146	186	17.415	ug/l #	23
92) 1,2-Dibromo-3-Chloropropan	13.70	75	251	393.421	ug/l #	1

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	64	8.727	ug/l #	1
94) Hexachlorobutadiene	14.23	225	89	17.543	ug/l #	19
95) Naphthalene	14.49	128	222	18.478	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.53	180	148	22.109	ug/l #	11

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

