

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052819\
 Data File : VF062761.D
 Acq On : 28 May 2019 15:34
 Operator : FY/SY
 Sample : K2433-02
 Misc : 4.98g/5mL/MSVOA F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 FK-BPM-04-002-ABCD

Quant Time: May 29 01:47:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	13508	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	16541	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	7913	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.68	152	141	50.00	ug/l	0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.06	65	2072	21.71	ug/l	0.02
Spiked Amount			Recovery	=	43.42%	
35) Dibromofluoromethane	4.33	113	4170	32.95	ug/l	0.00
Spiked Amount			Recovery	=	65.90%	
50) Toluene-d8	7.73	98	13070	43.25	ug/l	0.00
Spiked Amount			Recovery	=	86.50%	
62) 4-Bromofluorobenzene	11.52	95	1753	15.29	ug/l	0.02
Spiked Amount			Recovery	=	30.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.85	85	250	1.360	ug/l	80
3) Chloromethane	1.11	50	1206	7.125	ug/l #	88
4) Vinyl Chloride	1.05	62	280	1.797	ug/l	97
5) Bromomethane	1.40	94	370	4.341	ug/l	94
6) Chloroethane	1.44	64	325	5.680	ug/l #	1
8) Diethyl Ether	1.78	74	309	7.456	ug/l	79
9) 1,1,2-Trichlorotrifluoroet	1.87	101	368	2.763	ug/l #	62
11) Tert butyl alcohol	2.71	59	239	37.925	ug/l #	70
12) 1,1-Dichloroethene	1.87	96	1144	9.428	ug/l #	18
13) Acrolein	2.13	56	1008	153.230	ug/l #	1
14) Allyl chloride	2.19	41	387	3.524	ug/l #	46
15) Acrylonitrile	3.07	53	551	30.996	ug/l #	85
16) Acetone	2.34	43	2104	84.962	ug/l	95
17) Carbon Disulfide	1.95	76	458	1.273	ug/l #	1
18) Methyl Acetate	2.50	43	747	19.196	ug/l #	71
19) Methyl tert-butyl Ether	2.53	73	1241	5.721	ug/l #	9
20) Methylene Chloride	2.37	84	180	1.450	ug/l #	58
21) trans-1,2-Dichloroethene	2.45	96	576	4.856	ug/l #	1
22) Diisopropyl ether	2.92	45	559	2.064	ug/l #	50
23) Vinyl Acetate	3.36	43	340	1.861	ug/l #	73
25) 2-Butanone	4.62	43	832	15.725	ug/l	91
26) 2,2-Dichloropropane	3.82	77	817	7.186	ug/l	90
27) cis-1,2-Dichloroethene	3.67	96	473	2.424	ug/l	1
28) Bromochloromethane	3.93	49	267	2.396	ug/l #	3
29) Tetrahydrofuran	4.27	42	448	20.925	ug/l #	35
30) Chloroform	4.11	83	354	1.283	ug/l #	16
31) Cyclohexane	3.88	56	777	2.912	ug/l #	41
32) 1,1,1-Trichloroethane	4.29	97	716	3.908	ug/l #	23
36) 1,1-Dichloropropene	4.47	75	287	1.693	ug/l #	1
37) Ethyl Acetate	4.36	43	583	8.424	ug/l #	72
38) Carbon Tetrachloride	4.21	117	748	5.868	ug/l #	12
39) Methylcyclohexane	5.65	83	374	1.834	ug/l #	1
40) Benzene	4.84	78	1633	3.537	ug/l #	36
41) Methacrylonitrile	4.93	41	251	6.918	ug/l #	76

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) 1,2-Dichloroethane	5.15	62	395	4.290	uq/l	71
43) Isopropyl Acetate	7.10	43	693	7.729	uq/l #	43
45) 1,2-Dichloropropane	6.42	63	150	1.287	uq/l #	1
46) Dibromomethane	6.29	93	90	1.336	uq/l #	13
48) Methyl methacrylate	6.93	41	687	14.660	uq/l #	49
49) 1,4-Dioxane	6.89	88	127	211.593	uq/l #	1
51) 4-Methyl-2-Pentanone	8.40	43	1682	27.446	uq/l #	32
54) cis-1,3-Dichloropropene	7.50	75	707	4.414	uq/l #	76
55) 1,1,2-Trichloroethane	8.65	97	117	1.632	uq/l #	13
56) Ethyl methacrylate	8.76	69	250	2.927	uq/l #	1
57) 1,3-Dichloropropane	9.03	76	235	1.924	uq/l	89
58) 2-Chloroethyl Vinyl ether	7.45	63	724	26.038	uq/l	93
60) Dibromochloromethane	8.93	129	418	4.473	uq/l	78
61) 1,2-Dibromoethane	9.14	107	189	2.482	uq/l #	3
64) Tetrachloroethene	8.31	164	195	3.111	uq/l #	69
65) Chlorobenzene	9.96	112	415	2.670	uq/l #	41
66) 1,1,1,2-Tetrachloroethane	9.99	131	232	3.718	uq/l	96
67) Ethyl Benzene	9.89	91	369	1.367	uq/l	91
70) Styrene	10.90	104	193	1.215	uq/l #	70
71) Bromoform	10.89	173	83	2.656	uq/l #	1
73) Isopropylbenzene	11.36	105	344	34.040	uq/l	80
74) N-amyl acetate	11.44	43	1001	430.354	uq/l #	54
75) 1,1,2,2-Tetrachloroethane	11.79	83	225	108.946	uq/l #	84
76) 1,2,3-Trichloropropane	11.94	75	1278	941.789	uq/l	71
77) Bromobenzene	11.48	156	73	29.061	uq/l	54
78) n-propylbenzene	11.56	91	468	39.131	uq/l	91
79) 2-Chlorotoluene	11.82	91	645	95.696	uq/l #	39
80) 1,3,5-Trimethylbenzene	11.89	105	302	37.269	uq/l	86
81) trans-1,4-Dichloro-2-buten	11.94	75	1278	2118.730	uq/l #	26
82) 4-Chlorotoluene	12.01	91	711	106.971	uq/l #	55
83) tert-Butylbenzene	12.23	119	238	28.950	uq/l #	32
84) 1,2,4-Trimethylbenzene	12.36	105	340	43.352	uq/l	98
85) sec-Butylbenzene	12.36	105	340	30.817	uq/l #	54
86) p-Isopropyltoluene	12.53	119	154	16.563	uq/l #	42
87) 1,3-Dichlorobenzene	12.57	146	122	26.845	uq/l #	1
88) 1,4-Dichlorobenzene	12.57	146	122	28.606	uq/l #	1
89) n-Butylbenzene	12.89	91	138	15.053	uq/l #	25
90) Hexachloroethane	12.97	117	293	131.362	uq/l #	20
91) 1,2-Dichlorobenzene	12.97	146	60	14.811	uq/l #	1
92) 1,2-Dibromo-3-Chloropropan	13.70	75	110	446.474	uq/l #	1
93) 1,2,4-Trichlorobenzene	14.22	180	261	90.008	uq/l #	72
94) Hexachlorobutadiene	14.28	225	73	36.073	uq/l #	16
95) Naphthalene	14.48	128	218	41.382	uq/l #	1
96) 1,2,3-Trichlorobenzene	14.65	180	89	32.403	uq/l #	1

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

