

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042919\
 Data File : VF062318.D
 Acq On : 29 Apr 2019 17:47
 Operator : FY/SY
 Sample : K2579-01RE
 Misc : 5.05g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 WASTERE

Quant Time: Apr 30 03:48:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F042419S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 25 08:40:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	3392	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.75	114	2400	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.89	117	1313	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.63	152	73	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	225	8.19	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	16.38%	
35) Dibromofluoromethane	4.28	113	778	43.72	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	87.44%	
50) Toluene-d8	7.70	98	2091	48.11	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	96.22%	
62) 4-Bromofluorobenzene	11.43	95	66	3.68	ug/l	-0.07
Spiked Amount	50.000		Recovery	=	7.36%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.05	85	69	1.712	ug/l # 40
3) Chloromethane	1.12	50	259	7.627	ug/l # 44
4) Vinyl Chloride	1.17	62	71	2.208	ug/l # 1
5) Bromomethane	1.43	94	74	3.388	ug/l # 6
6) Chloroethane	1.46	64	64	4.539	ug/l # 42
7) Trichlorofluoromethane	1.30	101	60	1.174	ug/l # 15
8) Diethyl Ether	1.54	74	108	11.665	ug/l # 73
9) 1,1,2-Trichlorotrifluoroet	1.93	101	78	2.432	ug/l # 25
10) Methyl Iodide	2.06	142	66	1.177	ug/l # 45
11) Tert butyl alcohol	2.66	59	65	39.109	ug/l # 1
12) 1,1-Dichloroethene	1.84	96	264	9.225	ug/l # 1
13) Acrolein	2.11	56	95	67.204	ug/l # 1
14) Allyl chloride	2.21	41	280	8.991	ug/l # 28
15) Acrylonitrile	3.10	53	96	20.855	ug/l # 15
16) Acetone	2.36	43	127	20.645	ug/l # 56
18) Methyl Acetate	2.43	43	247	19.784	ug/l # 59
19) Methyl tert-butyl Ether	2.55	73	447	8.193	ug/l # 97
20) Methylene Chloride	2.27	84	70	Below Cal	# 2
21) trans-1,2-Dichloroethene	2.39	96	270	9.547	ug/l # 1
22) Diisopropyl ether	2.90	45	318	3.793	ug/l # 43
23) Vinyl Acetate	3.30	43	447	12.023	ug/l # 78
24) 1,1-Dichloroethane	2.99	63	148	3.093	ug/l # 89
25) 2-Butanone	4.54	43	340	34.857	ug/l # 57
26) 2,2-Dichloropropane	3.75	77	489	19.678	ug/l # 85
27) cis-1,2-Dichloroethene	3.63	96	92	2.569	ug/l # 64
28) Bromochloromethane	3.87	49	147	7.290	ug/l # 2
29) Tetrahydrofuran	4.29	42	319	74.429	ug/l # 54
30) Chloroform	4.03	83	63	1.048	ug/l # 1
31) Cyclohexane	3.84	56	153	3.360	ug/l # 16
32) 1,1,1-Trichloroethane	4.31	97	85	1.802	ug/l # 29
36) 1,1-Dichloropropene	4.43	75	72	3.252	ug/l # 1
37) Ethyl Acetate	4.29	43	251	26.945	ug/l # 27
38) Carbon Tetrachloride	4.16	117	64	2.843	ug/l # 12
39) Methylcyclohexane	5.67	83	60	2.321	ug/l # 1

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	4.82	78	72	1.346	ug/l #	51
41) Methacrylonitrile	4.90	41	614	118.648	ug/l #	27
42) 1,2-Dichloroethane	5.07	62	169	9.972	ug/l #	1
43) Isopropyl Acetate	7.07	43	630	66.068	ug/l #	46
45) 1,2-Dichloropropane	6.38	63	80	6.633	ug/l #	45
46) Dibromomethane	6.41	93	81	9.300	ug/l #	33
47) Bromodichloromethane	6.59	83	78	3.810	ug/l #	23
48) Methyl methacrylate	6.82	41	481	70.480	ug/l #	1
49) 1,4-Dioxane	6.76	88	93	1183.426	ug/l #	1
51) 4-Methyl-2-Pentanone	8.37	43	135	18.393	ug/l #	38
52) Toluene	7.78	92	76	2.462	ug/l #	1
53) t-1,3-Dichloropropene	8.38	75	264	17.535	ug/l #	41
54) cis-1,3-Dichloropropene	7.33	75	382	19.806	ug/l #	35
55) 1,1,2-Trichloroethane	8.55	97	62	7.072	ug/l #	39
56) Ethyl methacrylate	8.70	69	151	15.678	ug/l #	1
57) 1,3-Dichloropropane	8.98	76	60	4.353	ug/l #	41
58) 2-Chloroethyl Vinyl ether	7.43	63	152	51.863	ug/l #	44
59) 2-Hexanone	9.47	43	655	139.953	ug/l	74
60) Dibromochloromethane	8.67	129	62	4.357	ug/l #	11
61) 1,2-Dibromoethane	9.21	107	66	6.504	ug/l	83
64) Tetrachloroethene	8.28	164	77	7.011	ug/l #	33
66) 1,1,1,2-Tetrachloroethane	10.04	131	76	6.725	ug/l #	1
67) Ethyl Benzene	10.02	91	642	15.391	ug/l	96
68) m/p-Xylenes	10.25	106	140	9.015	ug/l #	1
69) o-Xylene	10.65	106	92	5.302	ug/l #	18
70) Styrene	10.92	104	75	2.990	ug/l #	1
73) Isopropylbenzene	11.21	105	529	105.767	ug/l #	50
74) N-amyl acetate	11.46	43	915	793.987	ug/l #	47
75) 1,1,1,2-Tetrachloroethane	11.75	83	98	123.329	ug/l #	5
76) 1,2,3-Trichloropropane	11.83	75	140	248.323	ug/l #	100
78) n-propylbenzene	11.83	91	183	34.773	ug/l	78
79) 2-Chlorotoluene	11.77	91	250	78.865	ug/l	95
80) 1,3,5-Trimethylbenzene	11.64	105	161	38.131	ug/l	85
81) trans-1,4-Dichloro-2-buten	11.94	75	118	468.241	ug/l #	70
82) 4-Chlorotoluene	11.77	91	250	79.702	ug/l	97
83) tert-Butylbenzene	12.18	119	374	86.310	ug/l #	11
84) 1,2,4-Trimethylbenzene	12.26	105	77	18.829	ug/l #	29
85) sec-Butylbenzene	12.37	105	342	63.367	ug/l	94
86) p-Isopropyltoluene	12.54	119	108	22.320	ug/l #	50
87) 1,3-Dichlorobenzene	12.52	146	92	41.590	ug/l #	49
88) 1,4-Dichlorobenzene	12.52	146	92	43.865	ug/l #	48
89) n-Butylbenzene	12.91	91	76	17.286	ug/l #	1
90) Hexachloroethane	12.96	117	62	51.116	ug/l	76
92) 1,2-Dibromo-3-Chloropropan	13.67	75	76	474.101	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.21	180	60	32.164	ug/l #	11
95) Naphthalene	14.48	128	260	89.966	ug/l #	58

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

