

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042519\
 Data File : VF062293.D
 Acq On : 25 Apr 2019 15:46
 Operator : FY/SY
 Sample : K2203-19RE
 Misc : 6.42g/5mL/MSVOA F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SU-03-042419-BRE

Quant Time: Apr 26 01:08:40 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	5.06	168	1011	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.78	114	255	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.92	117	74	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.65	152	61	50.00	ug/l	0.03

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.03	65	71	8.67	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	17.34%	
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	7.70	98	83	17.97	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	35.94%	
62) 4-Bromofluorobenzene	11.51	95	119	62.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	125.02%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.06	85	74	6.159	ug/l #	40
3) Chloromethane	1.10	50	601	59.379	ug/l #	44
4) Vinyl Chloride	1.11	62	77	8.033	ug/l #	44
5) Bromomethane	1.41	94	264	40.554	ug/l #	6
6) Chloroethane	1.54	64	79	18.800	ug/l #	42
8) Diethyl Ether	1.76	74	69	25.004	ug/l	61
9) 1,1,2-Trichlorotrifluoroet	2.04	101	62	6.486	ug/l #	1
10) Methyl Iodide	1.95	142	72	4.309	ug/l #	1
11) Tert butyl alcohol	2.68	59	134	270.501	ug/l #	1
12) 1,1-Dichloroethene	1.86	96	231	27.083	ug/l #	1
13) Acrolein	2.13	56	571	1197.121	ug/l #	54
14) Allyl chloride	2.15	41	656	70.671	ug/l #	58
15) Acrylonitrile	3.07	53	73	53.206	ug/l #	1
16) Acetone	2.38	43	1149	626.658	ug/l #	56
17) Carbon Disulfide	1.86	76	97	4.321	ug/l #	69
18) Methyl Acetate	2.47	43	947	292.261	ug/l #	79
19) Methyl tert-butyl Ether	2.58	73	617	37.945	ug/l #	47
20) Methylene Chloride	2.32	84	80	5.526	ug/l #	50
21) trans-1,2-Dichloroethene	2.45	96	309	36.659	ug/l #	47
22) Diisopropyl ether	2.93	45	186	7.443	ug/l #	31
23) Vinyl Acetate	3.36	43	979	88.348	ug/l #	78
24) 1,1-Dichloroethane	3.02	63	69	4.838	ug/l #	89
25) 2-Butanone	4.53	43	323	111.100	ug/l #	57
26) 2,2-Dichloropropane	3.80	77	362	48.875	ug/l	100
27) cis-1,2-Dichloroethene	3.66	96	300	28.105	ug/l #	1
28) Bromochloromethane	3.91	49	59	9.816	ug/l #	2
29) Tetrahydrofuran	4.27	42	875	684.959	ug/l #	37
30) Chloroform	4.04	83	59	3.294	ug/l #	18
31) Cyclohexane	3.86	56	529	38.979	ug/l #	16
32) 1,1,1-Trichloroethane	4.25	97	388	27.593	ug/l #	30
36) 1,1-Dichloropropene	4.49	75	70	29.755	ug/l #	1
37) Ethyl Acetate	4.30	43	625	631.483	ug/l #	3
38) Carbon Tetrachloride	4.11	117	75	31.359	ug/l #	12
39) Methylcyclohexane	5.62	83	85	30.951	ug/l #	39

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	4.83	78	221	38.881	ug/l #	51
41) Methacrylonitrile	4.92	41	336	611.086	ug/l #	36
42) 1,2-Dichloroethane	5.28	62	63	34.986	ug/l #	76
43) Isopropyl Acetate	7.12	43	432	427.546	ug/l #	46
44) Trichloroethene	5.44	130	70	36.400	ug/l	3
45) 1,2-Dichloropropane	6.37	63	60	46.818	ug/l #	45
46) Dibromomethane	6.32	93	87	94.016	ug/l #	35
47) Bromodichloromethane	6.52	83	63	28.960	ug/l #	23
48) Methyl methacrylate	6.88	41	321	442.688	ug/l #	15
49) 1,4-Dioxane	6.84	88	74	8862.594	ug/l #	1
51) 4-Methyl-2-Pentanone	8.39	43	1075	1378.509	ug/l #	50
52) Toluene	7.72	92	67	20.428	ug/l	76
53) t-1,3-Dichloropropene	8.40	75	69	43.134	ug/l #	1
54) cis-1,3-Dichloropropene	7.41	75	65	31.718	ug/l #	80
55) 1,1,2-Trichloroethane	8.62	97	95	101.985	ug/l #	14
56) Ethyl methacrylate	8.76	69	95	92.832	ug/l #	1
57) 1,3-Dichloropropane	9.07	76	64	43.698	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.40	63	96	308.287	ug/l #	44
59) 2-Hexanone	9.65	43	959	2120.844	ug/l #	40
61) 1,2-Dibromoethane	8.98	107	62	57.508	ug/l	98
65) Chlorobenzene	9.97	112	63	46.588	ug/l #	41
66) 1,1,1,2-Tetrachloroethane	10.11	131	70	109.899	ug/l #	21
67) Ethyl Benzene	10.04	91	387	164.617	ug/l #	43
68) m/p-Xylenes	10.25	106	68	77.691	ug/l #	48
69) o-Xylene	10.57	106	79	80.788	ug/l #	1
70) Styrene	10.74	104	76	53.763	ug/l #	1
73) Isopropylbenzene	11.25	105	165	39.479	ug/l #	50
74) N-amyl acetate	11.48	43	1382	1435.136	ug/l #	57
75) 1,1,1,2-Tetrachloroethane	11.79	83	60	90.361	ug/l #	33
76) 1,2,3-Trichloropropane	11.86	75	105	222.880	ug/l #	100
77) Bromobenzene	11.35	156	70	66.998	ug/l #	1
78) n-propylbenzene	11.72	91	127	28.879	ug/l #	52
79) 2-Chlorotoluene	11.75	91	144	54.363	ug/l	83
80) 1,3,5-Trimethylbenzene	11.84	105	63	17.856	ug/l #	26
81) trans-1,4-Dichloro-2-buten	11.94	75	98	465.378	ug/l #	88
82) 4-Chlorotoluene	12.15	91	131	49.980	ug/l	79
83) tert-Butylbenzene	12.21	119	238	65.730	ug/l #	1
84) 1,2,4-Trimethylbenzene	12.29	105	72	21.070	ug/l #	29
85) sec-Butylbenzene	12.40	105	143	31.708	ug/l #	23
86) p-Isopropyltoluene	12.52	119	70	17.312	ug/l #	1
89) n-Butylbenzene	12.90	91	100	27.219	ug/l #	28
90) Hexachloroethane	13.13	117	62	61.172	ug/l	79
91) 1,2-Dichlorobenzene	13.15	146	70	39.452	ug/l #	24
92) 1,2-Dibromo-3-Chloropropan	13.65	75	68	507.644	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.17	180	60	38.492	ug/l #	11
95) Naphthalene	14.61	128	102	42.238	ug/l #	69

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

