

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042219\
 Data File : VF062240.D
 Acq On : 22 Apr 2019 13:05
 Operator : FY/SY
 Sample : K2413-01RE
 Misc : 5.04g/5mL/MSVOA F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 NCC-TOPSOIL-KYRE

Quant Time: Apr 22 16:47:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 19 23:52:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	898	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.77	114	267	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.92	117	256	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	12.55	152	67	50.00	ug/l	-0.06

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.89	65	424	51.49	ug/l	-0.13
Spiked Amount	50.000		Recovery	=	102.98%	
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	7.72	98	364	61.57	ug/l	0.02
Spiked Amount	50.000		Recovery	=	123.14%	
62) 4-Bromofluorobenzene	11.51	95	167	73.43	ug/l	0.03
Spiked Amount	50.000		Recovery	=	146.86%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.01	85	304	22.276	ug/l #	30
3) Chloromethane	1.14	50	203	14.392	ug/l #	41
4) Vinyl Chloride	1.07	62	67	5.529	ug/l #	42
5) Bromomethane	1.40	94	463	65.769	ug/l #	33
6) Chloroethane	1.43	64	75	14.804	ug/l #	41
7) Trichlorofluoromethane	1.48	101	75	4.872	ug/l #	20
8) Diethyl Ether	1.71	74	93	29.025	ug/l #	1
10) Methyl Iodide	1.97	142	127	6.797	ug/l #	42
11) Tert butyl alcohol	2.74	59	142	248.092	ug/l #	1
12) 1,1-Dichloroethene	1.85	96	356	35.588	ug/l #	6
13) Acrolein	2.09	56	1231	2318.627	ug/l #	14
14) Allyl chloride	2.21	41	595	51.829	ug/l #	21
15) Acrylonitrile	3.07	53	273	156.599	ug/l #	51
16) Acetone	2.34	43	1413	717.919	ug/l	93
17) Carbon Disulfide	1.75	76	66	2.374	ug/l #	1
18) Methyl Acetate	2.47	43	882	228.912	ug/l #	59
19) Methyl tert-butyl Ether	2.53	73	390	22.082	ug/l #	58
20) Methylene Chloride	2.30	84	502	52.209	ug/l #	1
21) trans-1,2-Dichloroethene	2.43	96	571	57.721	ug/l #	1
22) Diisopropyl ether	2.95	45	348	11.850	ug/l #	65
23) Vinyl Acetate	3.36	43	1165	83.265	ug/l #	79
24) 1,1-Dichloroethane	2.99	63	114	7.097	ug/l #	88
25) 2-Butanone	4.60	43	1535	390.042	ug/l	98
26) 2,2-Dichloropropane	3.70	77	728	89.761	ug/l	96
27) cis-1,2-Dichloroethene	3.64	96	488	38.093	ug/l	36
28) Bromochloromethane	3.87	49	70	9.096	ug/l #	8
29) Tetrahydrofuran	4.25	42	767	430.576	ug/l #	47
30) Chloroform	4.07	83	80	4.052	ug/l #	18
31) Cyclohexane	3.86	56	248	12.882	ug/l #	1
32) 1,1,1-Trichloroethane	4.27	97	256	17.715	ug/l #	17
36) 1,1-Dichloropropene	4.42	75	167	52.168	ug/l #	1
37) Ethyl Acetate	4.28	43	426	282.011	ug/l #	74
38) Carbon Tetrachloride	4.18	117	73	25.763	ug/l #	13
39) Methylcyclohexane	5.63	83	513	133.844	ug/l #	36

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	4.81	78	612	72.887	ug/l #	11
41) Methacrylonitrile	4.93	41	269	308.720	ug/l #	1
42) 1,2-Dichloroethane	5.12	62	63	28.382	ug/l #	74
43) Isopropyl Acetate	7.10	43	134	84.343	ug/l #	45
44) Trichloroethene	5.57	130	61	26.885	ug/l	2
45) 1,2-Dichloropropane	6.42	63	201	108.676	ug/l #	42
46) Dibromomethane	6.31	93	76	61.761	ug/l #	3
47) Bromodichloromethane	6.56	83	79	28.449	ug/l #	24
48) Methyl methacrylate	6.90	41	274	262.425	ug/l #	1
49) 1,4-Dioxane	6.96	88	134	11190.656	ug/l #	57
51) 4-Methyl-2-Pentanone	8.44	43	914	773.469	ug/l #	80
52) Toluene	7.78	92	225	50.836	ug/l #	1
53) t-1,3-Dichloropropene	8.39	75	152	72.878	ug/l #	1
54) cis-1,3-Dichloropropene	7.48	75	63	22.331	ug/l #	1
55) 1,1,2-Trichloroethane	8.64	97	143	115.331	ug/l #	40
56) Ethyl methacrylate	8.73	69	425	301.479	ug/l #	18
57) 1,3-Dichloropropane	9.03	76	66	32.964	ug/l #	42
58) 2-Chloroethyl Vinyl ether	7.43	63	61	149.039	ug/l #	48
59) 2-Hexanone	9.84	43	823	1116.362	ug/l	67
60) Dibromochloromethane	9.09	129	77	41.757	ug/l	85
61) 1,2-Dibromoethane	9.21	107	65	46.531	ug/l	86
65) Chlorobenzene	9.87	112	67	12.274	ug/l #	42
66) 1,1,1,2-Tetrachloroethane	10.00	131	64	25.037	ug/l #	1
67) Ethyl Benzene	10.02	91	657	66.190	ug/l #	44
68) m/p-Xylenes	10.22	106	65	17.789	ug/l #	1
69) o-Xylene	10.97	106	66	16.269	ug/l	77
70) Styrene	10.88	104	130	22.707	ug/l #	1
71) Bromoform	10.59	173	61	45.196	ug/l #	28
73) Isopropylbenzene	11.22	105	68	11.815	ug/l #	49
74) N-amyl acetate	11.42	43	1284	981.202	ug/l #	51
75) 1,1,2,2-Tetrachloroethane	11.76	83	155	156.600	ug/l #	70
76) 1,2,3-Trichloropropane	11.85	75	125	183.561	ug/l #	1
77) Bromobenzene	11.36	156	68	55.154	ug/l #	21
78) n-propylbenzene	11.63	91	491	80.871	ug/l #	53
79) 2-Chlorotoluene	11.82	91	711	193.055	ug/l	77
80) 1,3,5-Trimethylbenzene	11.66	105	83	17.315	ug/l	73
81) trans-1,4-Dichloro-2-buten	11.96	75	245	705.453	ug/l #	19
82) 4-Chlorotoluene	11.82	91	711	199.762	ug/l	77
83) tert-Butylbenzene	12.19	119	82	16.542	ug/l #	1
84) 1,2,4-Trimethylbenzene	12.46	105	137	29.534	ug/l	96
85) sec-Butylbenzene	12.32	105	150	23.308	ug/l #	1
86) p-Isopropyltoluene	12.49	119	131	23.996	ug/l #	1
87) 1,3-Dichlorobenzene	12.48	146	77	33.655	ug/l #	24
88) 1,4-Dichlorobenzene	12.59	146	66	29.907	ug/l #	2
89) n-Butylbenzene	12.88	91	219	48.637	ug/l #	65
90) Hexachloroethane	12.95	117	177	126.261	ug/l #	12
91) 1,2-Dichlorobenzene	12.80	146	61	27.612	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	13.49	75	107	550.226	ug/l	53
93) 1,2,4-Trichlorobenzene	14.12	180	63	34.084	ug/l #	11
95) Naphthalene	14.49	128	153	47.340	ug/l #	1

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	14.51	180	130	73.260	ug/l #	12

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

