

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042519\
 Data File : VF062295.D
 Acq On : 25 Apr 2019 16:41
 Operator : FY/SY
 Sample : K2553-04RE
 Misc : 6.04g/5mL/MSVOA F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 RBR200051RE

Quant Time: Apr 26 01:09:29 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	5.05	168	2334	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.78	114	1644	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	64	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.48	152	98	50.00	ug/l	-0.14

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	443	23.43	ug/l	-0.02
Spiked Amount			Recovery	=	46.86%	
35) Dibromofluoromethane	4.29	113	486	39.87	ug/l	-0.03
Spiked Amount			Recovery	=	79.74%	
50) Toluene-d8	7.70	98	324	10.88	ug/l	-0.02
Spiked Amount			Recovery	=	21.76%	
62) 4-Bromofluorobenzene	11.45	95	64	5.21	ug/l	-0.06
Spiked Amount			Recovery	=	10.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.03	85	161	5.805	ug/l #	40
3) Chloromethane	1.18	50	162	6.933	ug/l #	44
4) Vinyl Chloride	1.25	62	64	2.892	ug/l #	1
5) Bromomethane	1.41	94	337	22.424	ug/l #	6
6) Chloroethane	1.45	64	86	8.865	ug/l #	42
7) Trichlorofluoromethane	1.59	101	63	1.792	ug/l #	15
8) Diethyl Ether	1.65	74	128	20.092	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	1.86	101	94	4.259	ug/l #	1
11) Tert butyl alcohol	2.69	59	144	125.915	ug/l #	1
12) 1,1-Dichloroethene	1.86	96	96	4.875	ug/l #	1
13) Acrolein	2.08	56	149	142.630	ug/l #	10
14) Allyl chloride	2.18	41	433	20.206	ug/l #	28
15) Acrylonitrile	3.12	53	382	120.600	ug/l #	32
16) Acetone	2.33	43	510	120.484	ug/l #	57
17) Carbon Disulfide	1.93	76	89	1.717	ug/l #	1
18) Methyl Acetate	2.46	43	978	128.981	ug/l	100
19) Methyl tert-butyl Ether	2.56	73	369	9.830	ug/l #	57
20) Methylene Chloride	2.30	84	146	3.133	ug/l #	2
21) trans-1,2-Dichloroethene	2.42	96	171	8.787	ug/l #	1
22) Diisopropyl ether	2.93	45	363	6.292	ug/l #	51
23) Vinyl Acetate	3.30	43	1638	64.029	ug/l #	78
24) 1,1-Dichloroethane	2.99	63	63	1.913	ug/l #	89
25) 2-Butanone	4.54	43	553	82.393	ug/l #	57
26) 2,2-Dichloropropane	3.82	77	483	28.247	ug/l #	56
27) cis-1,2-Dichloroethene	3.77	96	84	3.409	ug/l	65
28) Bromochloromethane	3.87	49	70	5.045	ug/l #	2
29) Tetrahydrofuran	4.25	42	219	74.259	ug/l #	63
30) Chloroform	4.04	83	87	2.104	ug/l #	18
31) Cyclohexane	3.87	56	86	2.745	ug/l #	23
32) 1,1,1-Trichloroethane	4.31	97	212	6.531	ug/l #	56
36) 1,1-Dichloropropene	4.45	75	300	19.779	ug/l #	1
37) Ethyl Acetate	4.29	43	899	140.890	ug/l #	10
38) Carbon Tetrachloride	4.17	117	67	4.345	ug/l #	12
39) Methylcyclohexane	5.65	83	67	3.784	ug/l #	15

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	4.84	78	243	6.631	ug/l #	1
41) Methacrylonitrile	4.91	41	339	95.632	ug/l #	1
42) 1,2-Dichloroethane	5.21	62	69	5.944	ug/l #	76
43) Isopropyl Acetate	7.11	43	844	129.415	ug/l #	46
45) 1,2-Dichloropropane	6.39	63	216	26.143	ug/l #	45
46) Dibromomethane	6.30	93	64	10.728	ug/l #	1
47) Bromodichloromethane	6.55	83	108	7.700	ug/l #	23
48) Methyl methacrylate	6.89	41	145	31.017	ug/l #	1
49) 1,4-Dioxane	6.85	88	62	1151.753	ug/l #	24
51) 4-Methyl-2-Pentanone	8.59	43	222	44.156	ug/l	98
52) Toluene	7.61	92	59	2.790	ug/l	94
53) t-1,3-Dichloropropene	8.44	75	63	6.109	ug/l #	1
54) cis-1,3-Dichloropropene	7.46	75	73	5.525	ug/l #	27
55) 1,1,2-Trichloroethane	8.67	97	72	11.989	ug/l #	49
56) Ethyl methacrylate	8.75	69	180	27.282	ug/l #	1
57) 1,3-Dichloropropane	9.03	76	165	17.474	ug/l #	57
58) 2-Chloroethyl Vinyl ether	7.39	63	60	29.886	ug/l #	44
59) 2-Hexanone	9.44	43	224	62.337	ug/l	74
60) Dibromochloromethane	8.86	129	66	6.771	ug/l #	11
61) 1,2-Dibromoethane	9.15	107	82	11.797	ug/l #	41
64) Tetrachloroethene	8.30	164	79	147.577	ug/l #	1
66) 1,1,1,2-Tetrachloroethane	10.02	131	61	110.733	ug/l #	1
67) Ethyl Benzene	10.05	91	108	53.118	ug/l #	43
68) m/p-Xylenes	10.24	106	79	104.361	ug/l	90
70) Styrene	10.88	104	64	52.349	ug/l #	1
73) Isopropylbenzene	11.18	105	185	27.553	ug/l #	50
74) N-amyl acetate	11.42	43	992	641.210	ug/l #	75
75) 1,1,2,2-Tetrachloroethane	11.79	83	157	147.175	ug/l #	23
76) 1,2,3-Trichloropropane	11.88	75	62	81.918	ug/l #	100
77) Bromobenzene	11.52	156	70	41.703	ug/l #	1
78) n-propylbenzene	11.58	91	463	65.534	ug/l	87
79) 2-Chlorotoluene	11.99	91	205	48.172	ug/l	89
80) 1,3,5-Trimethylbenzene	11.93	105	150	26.463	ug/l	90
81) trans-1,4-Dichloro-2-buten	11.94	75	142	419.732	ug/l #	61
82) 4-Chlorotoluene	11.99	91	205	48.683	ug/l	91
83) tert-Butylbenzene	12.23	119	66	11.346	ug/l #	30
84) 1,2,4-Trimethylbenzene	12.27	105	60	10.929	ug/l #	29
85) sec-Butylbenzene	12.36	105	279	38.507	ug/l #	56
86) p-Isopropyltoluene	12.60	119	146	22.476	ug/l #	50
87) 1,3-Dichlorobenzene	12.39	146	72	24.245	ug/l #	25
88) 1,4-Dichlorobenzene	12.70	146	62	22.020	ug/l #	25
89) n-Butylbenzene	12.89	91	208	35.240	ug/l #	28
90) Hexachloroethane	12.96	117	89	54.658	ug/l	87
92) 1,2-Dibromo-3-Chloropropan	13.79	75	86	399.625	ug/l	66
93) 1,2,4-Trichlorobenzene	14.39	180	79	31.546	ug/l #	11
95) Naphthalene	14.49	128	139	35.828	ug/l #	34
96) 1,2,3-Trichlorobenzene	14.66	180	64	27.022	ug/l #	1

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

