

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051719\
 Data File : VF062650.D
 Acq On : 17 May 2019 20:43
 Operator : FY/SY
 Sample : K2894-20
 Misc : 5.07µ/5mL/MSVOA F/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-01-11-12

Quant Time: May 18 01:45:08 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	367	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	161	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	301	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	124	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.04	65	171	65.94	ug/l	0.00
Spiked Amount			Recovery	=	131.88%	
35) Dibromofluoromethane	4.32	113	231	187.50	ug/l	0.00
Spiked Amount			Recovery	=	375.00%	
50) Toluene-d8	7.72	98	257	87.37	ug/l	0.00
Spiked Amount			Recovery	=	174.74%	
62) 4-Bromofluorobenzene	11.48	95	322	288.63	ug/l	-0.02
Spiked Amount			Recovery	=	577.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.93	85	220	44.050	ug/l	85
3) Chloromethane	1.03	50	918	199.622	ug/l	92
4) Vinyl Chloride	1.13	62	254	60.004	ug/l	89
5) Bromomethane	1.43	94	526	227.141	ug/l	81
6) Chloroethane	1.43	64	399	256.649	ug/l #	20
7) Trichlorofluoromethane	1.49	101	505	88.849	ug/l	93
8) Diethyl Ether	1.71	74	167	148.313	ug/l	80
9) 1,1,2-Trichlorotrifluoroet	1.91	101	60	16.578	ug/l #	1
10) Methyl Iodide	1.99	142	127	17.863	ug/l #	30
11) Tert butyl alcohol	2.68	59	177	1033.766	ug/l #	1
12) 1,1-Dichloroethene	1.85	96	337	102.219	ug/l #	14
13) Acrolein	2.00	56	751	4201.919	ug/l	95
14) Allyl chloride	2.18	41	1519	509.075	ug/l #	56
15) Acrylonitrile	3.10	53	434	898.592	ug/l #	30
16) Acetone	2.38	43	960	1426.847	ug/l #	82
17) Carbon Disulfide	1.92	76	525	53.726	ug/l #	1
18) Methyl Acetate	2.54	43	292	276.180	ug/l	95
19) Methyl tert-butyl Ether	2.64	73	580	98.411	ug/l	96
20) Methylene Chloride	2.36	84	640	189.774	ug/l #	32
21) trans-1,2-Dichloroethene	2.40	96	915	283.948	ug/l #	3
22) Diisopropyl ether	2.95	45	731	99.330	ug/l #	1
23) Vinyl Acetate	3.35	43	1025	206.471	ug/l #	48
24) 1,1-Dichloroethane	3.08	63	444	82.241	ug/l #	86
25) 2-Butanone	4.51	43	569	395.837	ug/l	93
26) 2,2-Dichloropropane	3.79	77	846	273.876	ug/l	94
27) cis-1,2-Dichloroethene	3.69	96	643	121.308	ug/l	14
28) Bromochloromethane	3.92	49	77	25.430	ug/l	94
29) Tetrahydrofuran	4.30	42	924	1588.474	ug/l #	80
30) Chloroform	3.97	83	309	41.224	ug/l	94
31) Cyclohexane	3.91	56	972	134.088	ug/l #	58
32) 1,1,1-Trichloroethane	4.30	97	127	25.512	ug/l #	1
36) 1,1-Dichloropropene	4.51	75	336	203.667	ug/l #	51
37) Ethyl Acetate	4.28	43	1012	1502.383	ug/l #	58
38) Carbon Tetrachloride	4.18	117	226	182.149	ug/l #	65

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39) Methylcyclohexane	5.68	83	316	159.188	ug/l	96
40) Benzene	4.81	78	2170	482.825	ug/l #	57
41) Methacrylonitrile	4.95	41	642	1817.934	ug/l #	61
42) 1,2-Dichloroethane	5.12	62	101	112.692	ug/l	71
43) Isopropyl Acetate	7.12	43	1467	1681.048	ug/l #	43
44) Trichloroethene	5.69	130	96	76.000	ug/l	1
45) 1,2-Dichloropropane	6.26	63	513	452.166	ug/l	95
46) Dibromomethane	6.25	93	241	367.557	ug/l #	41
47) Bromodichloromethane	6.55	83	144	105.789	ug/l #	80
48) Methyl methacrylate	6.91	41	891	1953.393	ug/l #	62
49) 1,4-Dioxane	6.91	88	261	44675.904	ug/l #	41
51) 4-Methyl-2-Pentanone	8.40	43	579	970.657	ug/l #	32
52) Toluene	7.68	92	200	84.852	ug/l	85
53) t-1,3-Dichloropropene	8.48	75	987	886.294	ug/l	96
54) cis-1,3-Dichloropropene	7.48	75	208	133.429	ug/l #	1
55) 1,1,2-Trichloroethane	8.65	97	432	619.007	ug/l #	32
56) Ethyl methacrylate	8.75	69	303	364.423	ug/l #	1
57) 1,3-Dichloropropane	8.86	76	189	158.995	ug/l	92
58) 2-Chloroethyl Vinyl ether	7.44	63	169	624.451	ug/l #	51
59) 2-Hexanone	9.63	43	590	1617.783	ug/l	70
60) Dibromochloromethane	8.74	129	60	65.965	ug/l	65
61) 1,2-Dibromoethane	9.08	107	159	214.498	ug/l	87
64) Tetrachloroethene	8.29	164	125	52.420	ug/l #	1
65) Chlorobenzene	9.92	112	68	11.502	ug/l #	1
66) 1,1,1,2-Tetrachloroethane	10.09	131	141	59.410	ug/l #	6
67) Ethyl Benzene	10.00	91	313	30.476	ug/l #	42
68) m/p-Xylenes	10.30	106	309	80.051	ug/l	78
69) o-Xylene	10.78	106	193	48.543	ug/l	41
70) Styrene	10.95	104	302	49.975	ug/l #	33
71) Bromoform	10.95	173	325	273.419	ug/l #	27
73) Isopropylbenzene	11.25	105	195	21.942	ug/l #	45
74) N-amyl acetate	11.44	43	317	151.099	ug/l #	39
75) 1,1,2,2-Tetrachloroethane	11.77	83	256	140.951	ug/l #	23
76) 1,2,3-Trichloropropane	12.00	75	485	406.408	ug/l	76
77) Bromobenzene	11.55	156	72	32.592	ug/l #	56
78) n-propylbenzene	11.69	91	60	5.705	ug/l #	50
79) 2-Chlorotoluene	11.78	91	327	55.167	ug/l #	39
80) 1,3,5-Trimethylbenzene	12.04	105	523	73.391	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.93	75	219	412.844	ug/l #	26
82) 4-Chlorotoluene	12.11	91	446	76.301	ug/l	95
83) tert-Butylbenzene	12.19	119	210	29.046	ug/l #	1
84) 1,2,4-Trimethylbenzene	12.39	105	189	27.402	ug/l	82
85) sec-Butylbenzene	12.39	105	189	19.479	ug/l #	54
86) p-Isopropyltoluene	12.56	119	154	18.833	ug/l #	1
87) 1,3-Dichlorobenzene	12.52	146	70	17.514	ug/l #	12
88) 1,4-Dichlorobenzene	12.58	146	134	35.727	ug/l #	24
89) n-Butylbenzene	12.91	91	232	28.777	ug/l #	25
90) Hexachloroethane	13.05	117	184	93.803	ug/l	96
91) 1,2-Dichlorobenzene	12.98	146	62	17.403	ug/l #	23
92) 1,2-Dibromo-3-Chloropropan	13.70	75	78	359.994	ug/l #	21

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	72	28.234	ug/l #	11
94) Hexachlorobutadiene	14.23	225	69	38.771	ug/l #	16
95) Naphthalene	14.45	128	178	38.421	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.65	180	101	41.813	ug/l #	11

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

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