

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051519\
 Data File : VF062607.D
 Acq On : 15 May 2019 14:28
 Operator : FY/SY
 Sample : K2703-01
 Misc : 9.76g/5mL/MSVOA F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 P-3-OW(0-10)

Quant Time: May 15 14:54:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051419S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 15 05:06:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.11	168	227	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.87	114	128	50.00	ug/l	0.06
63) Chlorobenzene-d5	10.07	117	626	50.00	ug/l	0.13
72) 1,4-Dichlorobenzene-d4	12.55	152	118	50.00	ug/l	-0.08

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.05	65	560	326.55	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	653.10%	
35) Dibromofluoromethane	4.35	113	98	102.87	ug/l	0.01
Spiked Amount				50.000		
			Recovery	=	205.74%	
50) Toluene-d8	7.81	98	267	118.94	ug/l	0.07
Spiked Amount				50.000		
			Recovery	=	237.88%	
62) 4-Bromofluorobenzene	11.61	95	378	482.14	ug/l	0.10
Spiked Amount				50.000		
			Recovery	=	964.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	229	120.838	ug/l	73
3) Chloromethane	1.15	50	720	278.127	ug/l #	82
4) Vinyl Chloride	1.17	62	127	49.292	ug/l #	42
5) Bromomethane	1.34	94	626	Below Cal		95
6) Chloroethane	1.52	64	835	853.400	ug/l	94
7) Trichlorofluoromethane	1.71	101	260	73.651	ug/l	87
8) Diethyl Ether	1.70	74	290	366.470	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.91	101	221	91.779	ug/l #	23
10) Methyl Iodide	1.99	142	85	19.820	ug/l #	36
11) Tert butyl alcohol	2.67	59	109	1055.710	ug/l #	1
12) 1,1-Dichloroethene	1.91	96	742	359.717	ug/l #	28
13) Acrolein	2.09	56	745	10887.694	ug/l	82
14) Allyl chloride	2.22	41	1081	512.162	ug/l #	39
15) Acrylonitrile	3.12	53	305	825.806	ug/l #	1
16) Acetone	2.28	43	727	2089.232	ug/l	91
17) Carbon Disulfide	1.91	76	395	98.530	ug/l #	1
18) Methyl Acetate	2.33	43	481	741.786	ug/l	90
19) Methyl tert-butyl Ether	2.59	73	1007	274.187	ug/l #	56
20) Methylene Chloride	2.33	84	276	Below Cal	#	39
21) trans-1,2-Dichloroethene	2.47	96	340	163.556	ug/l #	47
22) Diisopropyl ether	2.99	45	689	140.397	ug/l #	1
23) Vinyl Acetate	3.37	43	509	189.625	ug/l #	75
24) 1,1-Dichloroethane	3.06	63	290	77.627	ug/l #	4
25) 2-Butanone	4.57	43	959	1219.033	ug/l #	52
26) 2,2-Dichloropropane	3.76	77	715	354.627	ug/l	88
27) cis-1,2-Dichloroethene	3.75	96	1669	568.266	ug/l	1
28) Bromochloromethane	3.94	49	386	183.815	ug/l #	14
29) Tetrahydrofuran	4.29	42	200	600.772	ug/l #	20
30) Chloroform	4.11	83	368	82.093	ug/l	100
31) Cyclohexane	3.96	56	418	107.355	ug/l #	23
32) 1,1,1-Trichloroethane	4.37	97	60	19.857	ug/l #	22
36) 1,1-Dichloropropene	4.57	75	418	377.399	ug/l #	69
37) Ethyl Acetate	4.36	43	407	894.216	ug/l #	1
38) Carbon Tetrachloride	4.26	117	73	80.345	ug/l #	11

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.75	83	234	180.445	ug/l #	15
40) Benzene	4.88	78	797	252.937	ug/l #	73
41) Methacrylonitrile	5.04	41	877	3402.625	ug/l #	48
42) 1,2-Dichloroethane	5.17	62	213	318.552	ug/l #	71
43) Isopropyl Acetate	7.22	43	430	798.377	ug/l #	1
44) Trichloroethene	5.82	130	69	81.085	ug/l #	47
45) 1,2-Dichloropropane	6.51	63	478	602.675	ug/l #	1
46) Dibromomethane	6.34	93	155	349.549	ug/l #	5
47) Bromodichloromethane	6.63	83	139	145.816	ug/l #	26
48) Methyl methacrylate	6.99	41	817	2771.281	ug/l #	51
49) 1,4-Dioxane	6.99	88	68	17503.582	ug/l #	1
51) 4-Methyl-2-Pentanone	8.53	43	534	1353.121	ug/l #	34
52) Toluene	8.03	92	164	103.684	ug/l #	90
53) t-1,3-Dichloropropene	8.52	75	206	273.541	ug/l #	1
54) cis-1,3-Dichloropropene	7.58	75	339	318.544	ug/l #	1
55) 1,1,2-Trichloroethane	8.75	97	349	736.921	ug/l #	14
56) Ethyl methacrylate	8.90	69	999	1924.628	ug/l #	58
57) 1,3-Dichloropropane	9.09	76	203	259.704	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.53	63	249	1533.170	ug/l #	53
59) 2-Hexanone	9.73	43	1051	4032.378	ug/l #	22
60) Dibromochloromethane	9.03	129	79	131.291	ug/l #	86
61) 1,2-Dibromoethane	9.39	107	143	301.058	ug/l #	98
64) Tetrachloroethene	8.32	164	68	16.439	ug/l #	1
65) Chlorobenzene	9.97	112	115	10.567	ug/l #	40
66) 1,1,1,2-Tetrachloroethane	10.10	131	66	14.765	ug/l #	42
67) Ethyl Benzene	10.03	91	470	24.307	ug/l #	44
68) m/p-Xylenes	10.29	106	79	11.527	ug/l #	41
69) o-Xylene	10.83	106	156	21.699	ug/l #	23
70) Styrene	10.91	104	168	15.379	ug/l #	28
71) Bromoform	10.97	173	80	38.009	ug/l #	29
73) Isopropylbenzene	11.22	105	141	17.772	ug/l #	48
74) N-amyl acetate	11.45	43	558	289.650	ug/l #	38
75) 1,1,2,2-Tetrachloroethane	11.81	83	232	142.735	ug/l #	6
76) 1,2,3-Trichloropropane	11.82	75	601	576.768	ug/l #	78
77) Bromobenzene	11.57	156	88	49.082	ug/l #	44
78) n-propylbenzene	11.68	91	67	7.100	ug/l #	52
79) 2-Chlorotoluene	11.80	91	263	50.498	ug/l #	41
80) 1,3,5-Trimethylbenzene	11.92	105	66	10.627	ug/l #	1
81) trans-1,4-Dichloro-2-buten	11.98	75	420	945.655	ug/l #	31
82) 4-Chlorotoluene	12.07	91	413	81.101	ug/l #	75
83) tert-Butylbenzene	12.19	119	313	48.180	ug/l #	62
84) 1,2,4-Trimethylbenzene	12.26	105	149	24.424	ug/l #	43
85) sec-Butylbenzene	12.39	105	242	27.438	ug/l #	1
86) p-Isopropyltoluene	12.53	119	227	31.266	ug/l #	1
87) 1,3-Dichlorobenzene	12.58	146	114	32.508	ug/l #	73
88) 1,4-Dichlorobenzene	12.65	146	118	35.870	ug/l #	73
89) n-Butylbenzene	12.92	91	295	39.917	ug/l #	28
90) Hexachloroethane	12.86	117	93	50.007	ug/l #	91
91) 1,2-Dichlorobenzene	12.96	146	60	19.286	ug/l #	24
92) 1,2-Dibromo-3-Chloropropan	13.68	75	255	1277.211	ug/l #	1

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	75	34.668	ug/l #	12
94) Hexachlorobutadiene	14.24	225	182	115.811	ug/l #	28
95) Naphthalene	14.46	128	169	47.995	ug/l #	70
96) 1,2,3-Trichlorobenzene	14.63	180	149	74.242	ug/l #	12

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

