

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052219\
 Data File : VF062707.D
 Acq On : 22 May 2019 15:53
 Operator : FY/SY
 Sample : K2993-17RE
 Misc : 5.82g/5mL/MSVOA F/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 COMP-2RE

Quant Time: May 23 01:22:42 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	5.05	168	553	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.74	114	183	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.85	117	61	50.00	ug/l	-0.06
72) 1,4-Dichlorobenzene-d4	12.74	152	167	50.00	ug/l	0.12

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.00	65	216	55.27	ug/l	-0.03
Spiked Amount			Recovery	=	110.54%	
35) Dibromofluoromethane	4.27	113	230	164.25	ug/l	-0.04
Spiked Amount			Recovery	=	328.50%	
50) Toluene-d8	7.69	98	428	128.01	ug/l	-0.03
Spiked Amount			Recovery	=	256.02%	
62) 4-Bromofluorobenzene	11.37	95	143	112.77	ug/l	-0.13
Spiked Amount			Recovery	=	225.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	156	20.730	ug/l #	1
3) Chloromethane	1.14	50	190	27.420	ug/l	94
4) Vinyl Chloride	1.20	62	392	61.457	ug/l	93
5) Bromomethane	1.33	94	289	82.822	ug/l	96
6) Chloroethane	1.42	64	242	103.305	ug/l #	72
7) Trichlorofluoromethane	1.55	101	165	19.266	ug/l #	21
8) Diethyl Ether	1.70	74	265	156.189	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.91	101	177	32.457	ug/l #	19
10) Methyl Iodide	1.99	142	106	9.895	ug/l #	37
11) Tert butyl alcohol	2.71	59	322	1248.090	ug/l #	1
12) 1,1-Dichloroethene	1.89	96	865	174.123	ug/l #	10
13) Acrolein	2.13	56	685	2543.544	ug/l #	53
14) Allyl chloride	2.20	41	774	172.150	ug/l #	58
15) Acrylonitrile	3.09	53	588	807.962	ug/l #	56
16) Acetone	2.32	43	296	291.970	ug/l	97
17) Carbon Disulfide	1.90	76	483	32.803	ug/l #	1
18) Methyl Acetate	2.51	43	585	367.203	ug/l	99
19) Methyl tert-butyl Ether	2.38	73	763	85.918	ug/l	98
20) Methylene Chloride	2.33	84	251	49.394	ug/l #	19
21) trans-1,2-Dichloroethene	2.42	96	918	189.061	ug/l #	1
22) Diisopropyl ether	2.93	45	639	57.624	ug/l #	33
23) Vinyl Acetate	3.35	43	913	122.052	ug/l #	73
24) 1,1-Dichloroethane	2.99	63	144	17.701	ug/l #	86
25) 2-Butanone	4.50	43	542	250.233	ug/l #	50
26) 2,2-Dichloropropane	3.74	77	698	149.962	ug/l	79
27) cis-1,2-Dichloroethene	3.64	96	1106	138.476	ug/l	1
28) Bromochloromethane	3.89	49	63	13.808	ug/l #	3
29) Tetrahydrofuran	4.29	42	1225	1397.608	ug/l #	68
30) Chloroform	4.16	83	102	9.031	ug/l	93
31) Cyclohexane	3.87	56	950	86.974	ug/l #	38
32) 1,1,1-Trichloroethane	4.27	97	447	59.592	ug/l #	19
36) 1,1-Dichloropropene	4.43	75	838	446.889	ug/l #	79
37) Ethyl Acetate	4.28	43	1703	2224.280	ug/l #	31
38) Carbon Tetrachloride	4.20	117	361	255.977	ug/l #	12

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	161	71.355	ug/l #	1
40) Benzene	4.81	78	373	73.015	ug/l #	1
41) Methacrylonitrile	4.93	41	928	2311.883	ug/l #	41
42) 1,2-Dichloroethane	5.15	62	464	455.474	ug/l #	71
43) Isopropyl Acetate	7.07	43	1035	1043.434	ug/l #	43
44) Trichloroethene	5.68	130	154	107.259	ug/l #	97
45) 1,2-Dichloropropane	6.37	63	530	410.990	ug/l #	42
46) Dibromomethane	6.26	93	429	575.625	ug/l #	28
47) Bromodichloromethane	6.50	83	187	120.863	ug/l #	25
48) Methyl methacrylate	6.87	41	1559	3006.995	ug/l #	44
49) 1,4-Dioxane	6.81	88	68	10240.391	ug/l #	25
51) 4-Methyl-2-Pentanone	8.21	43	1385	2042.733	ug/l #	93
52) Toluene	7.61	92	180	67.186	ug/l #	82
53) t-1,3-Dichloropropene	8.39	75	234	184.864	ug/l #	1
54) cis-1,3-Dichloropropene	7.41	75	442	249.450	ug/l #	3
55) 1,1,2-Trichloroethane	8.59	97	207	260.950	ug/l #	15
56) Ethyl methacrylate	8.68	69	895	947.024	ug/l #	90
57) 1,3-Dichloropropane	8.95	76	63	46.627	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.44	63	682	2217.025	ug/l #	51
59) 2-Hexanone	9.59	43	653	1574.770	ug/l #	86
60) Dibromochloromethane	8.91	129	84	81.248	ug/l #	92
61) 1,2-Dibromoethane	9.07	107	633	751.284	ug/l #	49
64) Tetrachloroethene	8.30	164	120	248.314	ug/l #	1
65) Chlorobenzene	9.94	112	260	217.010	ug/l #	41
66) 1,1,1,2-Tetrachloroethane	10.09	131	68	141.380	ug/l #	23
67) Ethyl Benzene	10.04	91	141	67.744	ug/l #	42
68) m/p-Xylenes	10.21	106	79	100.989	ug/l #	43
69) o-Xylene	10.81	106	86	106.734	ug/l #	1
70) Styrene	10.90	104	377	307.836	ug/l #	13
71) Bromoform	10.90	173	85	352.859	ug/l #	53
73) Isopropylbenzene	11.22	105	71	5.932	ug/l #	1
74) N-amyl acetate	11.47	43	1614	588.052	ug/l #	75
75) 1,1,2,2-Tetrachloroethane	11.75	83	101	41.291	ug/l #	23
76) 1,2,3-Trichloropropane	11.87	75	393	244.522	ug/l #	1
77) Bromobenzene	11.45	156	237	79.660	ug/l #	80
78) n-propylbenzene	11.68	91	463	32.686	ug/l #	50
79) 2-Chlorotoluene	11.80	91	278	34.824	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.89	105	101	10.524	ug/l #	22
81) trans-1,4-Dichloro-2-buten	11.98	75	362	506.706	ug/l #	88
82) 4-Chlorotoluene	11.97	91	556	70.628	ug/l #	81
83) tert-Butylbenzene	12.19	119	79	8.113	ug/l #	1
84) 1,2,4-Trimethylbenzene	12.12	105	447	48.121	ug/l #	76
85) sec-Butylbenzene	12.39	105	123	9.413	ug/l #	3
86) p-Isopropyltoluene	12.52	119	66	5.993	ug/l #	1
87) 1,3-Dichlorobenzene	12.54	146	72	13.376	ug/l #	23
88) 1,4-Dichlorobenzene	12.61	146	75	14.848	ug/l #	24
89) n-Butylbenzene	12.89	91	79	7.276	ug/l #	25
90) Hexachloroethane	12.96	117	323	122.267	ug/l #	20
91) 1,2-Dichlorobenzene	13.02	146	146	30.429	ug/l #	14
92) 1,2-Dibromo-3-Chloropropan	13.70	75	125	428.367	ug/l #	1

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	190	55.322	ug/l #	1
94) Hexachlorobutadiene	14.17	225	70	29.206	ug/l #	32
95) Naphthalene	14.54	128	69	11.059	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.65	180	99	30.432	ug/l #	11

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

