

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF050719\
 Data File : VF062368.D
 Acq On : 7 May 2019 20:13
 Operator : FY/SY
 Sample : VF0507SBS01
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0507SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/8/2019 11:11:11 AM

Quant Time: May 08 01:37:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 04:34:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	362401	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.75	114	471992	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.89	117	379282	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	229522	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	190296	55.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.12%	
35) Dibromofluoromethane	4.29	113	205681	54.70	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	109.40%	
50) Toluene-d8	7.70	98	520272	57.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.32%	
62) 4-Bromofluorobenzene	11.48	95	220285	53.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.28%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.99	85	78167	18.637	ug/l	94
3) Chloromethane	1.16	50	53815	19.455	ug/l	98
4) Vinyl Chloride	1.18	62	57164	20.718	ug/l	100
5) Bromomethane	1.40	94	43961	19.589	ug/l	99
6) Chloroethane	1.44	64	27798	20.039	ug/l	93
7) Trichlorofluoromethane	1.56	101	109372	19.105	ug/l	92
8) Diethyl Ether	1.70	74	17362	20.044	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.91	101	63889	19.548	ug/l	96
10) Methyl Iodide	1.98	142	110481	20.513	ug/l	98
11) Tert butyl alcohol	2.71	59	21293	110.006	ug/l	98
12) 1,1-Dichloroethene	1.87	96	53974	19.426	ug/l	98
13) Acrolein	2.09	56	16743	129.787	ug/l	95
14) Allyl chloride	2.19	41	34348	13.994	ug/l	94
15) Acrylonitrile	3.08	53	41523	113.247	ug/l	96
16) Acetone	2.34	43	63295	91.359	ug/l	97
17) Carbon Disulfide	1.91	76	125028m	20.637	ug/l	
18) Methyl Acetate	2.45	43	28622	20.826	ug/l	94
19) Methyl tert-butyl Ether	2.54	73	121405	21.167	ug/l	94
20) Methylene Chloride	2.34	84	56582m	22.573	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	55081m	20.807	ug/l	
22) Diisopropyl ether	2.94	45	166642	21.724	ug/l	97
23) Vinyl Acetate	3.34	43	398842	116.658	ug/l	99
24) 1,1-Dichloroethane	2.99	63	91804	19.802	ug/l	98
25) 2-Butanone	4.51	43	95697	109.945	ug/l	100
26) 2,2-Dichloropropane	3.76	77	46519	17.967	ug/l	97
27) cis-1,2-Dichloroethene	3.63	96	72058	21.776	ug/l	96
28) Bromochloromethane	3.88	49	40106	19.074	ug/l	100
29) Tetrahydrofuran	4.27	42	43187	107.958	ug/l	97
30) Chloroform	4.03	83	132661	21.180	ug/l	100
31) Cyclohexane	3.85	56	79359m	21.445	ug/l	
32) 1,1,1-Trichloroethane	4.27	97	81732	15.225	ug/l	97
36) 1,1-Dichloropropene	4.45	75	91424	22.548	ug/l	98
37) Ethyl Acetate	4.29	43	39389	21.996	ug/l #	100
38) Carbon Tetrachloride	4.17	117	80002	17.199	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	90351	22.219	ug/l	96
40) Benzene	4.81	78	196334	21.990	ug/l	97
41) Methacrylonitrile	4.92	41	19991	20.562	ug/l	95
42) 1,2-Dichloroethane	5.11	62	80087	21.447	ug/l	96
43) Isopropyl Acetate	7.10	43	43286	23.471	ug/l	98
44) Trichloroethene	5.67	130	71930	21.931	ug/l	98
45) 1,2-Dichloropropane	6.40	63	48229	23.848	ug/l	97
46) Dibromomethane	6.25	93	37530	22.383	ug/l	97
47) Bromodichloromethane	6.54	83	87577	20.891	ug/l	95
48) Methyl methacrylate	6.87	41	31827	24.420	ug/l	94
49) 1,4-Dioxane	6.86	88	6109	448.549	ug/l #	72
51) 4-Methyl-2-Pentanone	8.39	43	159719	114.293	ug/l	98
52) Toluene	7.77	92	121925	22.136	ug/l	98
53) t-1,3-Dichloropropene	8.41	75	68221	21.516	ug/l	99
54) cis-1,3-Dichloropropene	7.44	75	85771	23.244	ug/l	95
55) 1,1,2-Trichloroethane	8.62	97	39863	22.798	ug/l #	93
56) Ethyl methacrylate	8.74	69	41639	22.559	ug/l	98
57) 1,3-Dichloropropane	8.98	76	56882	21.537	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.43	63	74131	133.590	ug/l	98
59) 2-Hexanone	9.61	43	105927	109.601	ug/l	97
60) Dibromochloromethane	8.84	129	61319	21.442	ug/l	99
61) 1,2-Dibromoethane	9.12	107	47662	23.192	ug/l	95
64) Tetrachloroethene	8.29	164	74598	24.227	ug/l	96
65) Chlorobenzene	9.91	112	145921	23.253	ug/l	93
66) 1,1,1,2-Tetrachloroethane	10.04	131	71398	22.553	ug/l	97
67) Ethyl Benzene	10.01	91	253819	23.098	ug/l	98
68) m/p-Xylenes	10.24	106	189092	46.638	ug/l	97
69) o-Xylene	10.80	106	105262	24.026	ug/l	98
70) Styrene	10.88	104	153330	23.352	ug/l	98
71) Bromoform	10.87	173	38332	22.101	ug/l #	97
73) Isopropylbenzene	11.21	105	309141	22.719	ug/l	99
74) N-amyl acetate	11.44	43	68142	23.326	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.76	83	48539	22.783	ug/l	96
76) 1,2,3-Trichloropropane	11.86	75	35287	21.709	ug/l #	100
77) Bromobenzene	11.57	156	84851	23.760	ug/l	93
78) n-propylbenzene	11.66	91	328464	22.674	ug/l	100
79) 2-Chlorotoluene	11.79	91	205378	22.799	ug/l	98
80) 1,3,5-Trimethylbenzene	11.89	105	278993	23.393	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.92	75	13955m	22.840	ug/l	
82) 4-Chlorotoluene	11.96	91	205874	23.140	ug/l	100
83) tert-Butylbenzene	12.19	119	286729	22.876	ug/l	99
84) 1,2,4-Trimethylbenzene	12.26	105	260099	22.285	ug/l	99
85) sec-Butylbenzene	12.36	105	351375	23.032	ug/l	100
86) p-Isopropyltoluene	12.51	119	326113	23.007	ug/l	99
87) 1,3-Dichlorobenzene	12.53	146	151282	23.195	ug/l	98
88) 1,4-Dichlorobenzene	12.61	146	139061	22.091	ug/l	99
89) n-Butylbenzene	12.89	91	288524	22.879	ug/l	98
90) Hexachloroethane	12.97	117	63305	17.887	ug/l	66
91) 1,2-Dichlorobenzene	12.99	146	155003	24.554	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.68	75	9762	20.453	ug/l #	57

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	122738	21.676	µg/l	98
94) Hexachlorobutadiene	14.22	225	88006	20.853	µg/l	98
95) Naphthalene	14.49	128	188420	22.134	µg/l	98
96) 1,2,3-Trichlorobenzene	14.63	180	120905	22.040	µg/l	100

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

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