

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051319\
 Data File : VF062564.D
 Acq On : 14 May 2019 3:07
 Operator : FY/SY
 Sample : VF0513SBS02
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0513SBS02

Manual Integrations
 APPROVED

MMDadoda
 5/14/2019 11:05:16 AM

Quant Time: May 14 08:26:08 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	5.08	168	307058	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	5.80	114	403293	50.00	ug/l	0.03
63) Chlorobenzene-d5	9.93	117	342505	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	12.62	152	222618	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.06	65	138600	47.76	ug/l	0.04
Spiked Amount 50.000			Recovery	=	95.52%	
35) Dibromofluoromethane	4.33	113	151455	47.14	ug/l	0.03
Spiked Amount 50.000			Recovery	=	94.28%	
50) Toluene-d8	7.73	98	358851	46.14	ug/l	0.03
Spiked Amount 50.000			Recovery	=	92.28%	
62) 4-Bromofluorobenzene	11.51	95	162053	46.18	ug/l	0.02
Spiked Amount 50.000			Recovery	=	92.36%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.01	85	80156	22.556	ug/l	93
3) Chloromethane	1.15	50	50140	21.393	ug/l	98
4) Vinyl Chloride	1.20	62	48768	20.861	ug/l	92
5) Bromomethane	1.38	94	42970	23.004	ug/l	97
6) Chloroethane	1.45	64	25422	21.630	ug/l	97
7) Trichlorofluoromethane	1.56	101	112200	23.132	ug/l	99
8) Diethyl Ether	1.72	74	15337	20.897	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.92	101	63483	22.925	ug/l	94
10) Methyl Iodide	1.99	142	111289	24.387	ug/l	98
11) Tert butyl alcohol	2.71	59	14044	85.633	ug/l	95
12) 1,1-Dichloroethene	1.88	96	49686	21.105	ug/l	96
13) Acrolein	2.11	56	7902	62.079	ug/l #	75
14) Allyl chloride	2.21	41	73114	35.158	ug/l	95
15) Acrylonitrile	3.10	53	36524	117.567	ug/l	99
16) Acetone	2.36	43	52400	89.265	ug/l	97
17) Carbon Disulfide	1.91	76	112923	21.999	ug/l	96
18) Methyl Acetate	2.48	43	24643	21.216	ug/l	100
19) Methyl tert-butyl Ether	2.56	73	104103	21.422	ug/l	99
20) Methylene Chloride	2.34	84	48853m	23.002	ug/l	
21) trans-1,2-Dichloroethene	2.44	96	48811	21.762	ug/l	96
22) Diisopropyl ether	2.95	45	139104	21.402	ug/l	94
23) Vinyl Acetate	3.36	43	278220	96.044	ug/l	100
24) 1,1-Dichloroethane	3.03	63	89806	22.862	ug/l	99
25) 2-Butanone	4.55	43	70431	95.501	ug/l	98
26) 2,2-Dichloropropane	3.79	77	51231	23.354	ug/l	96
27) cis-1,2-Dichloroethene	3.67	96	61292	21.861	ug/l	95
28) Bromochloromethane	3.93	49	36576	20.531	ug/l #	100
29) Tetrahydrofuran	4.29	42	33344	98.376	ug/l	95
30) Chloroform	4.07	83	126767	23.887	ug/l	95
31) Cyclohexane	3.90	56	66308	21.148	ug/l	90
32) 1,1,1-Trichloroethane	4.31	97	105691	23.237	ug/l	98
36) 1,1-Dichloropropene	4.50	75	77267	22.303	ug/l	98
37) Ethyl Acetate	4.32	43	31529	20.234	ug/l #	89
38) Carbon Tetrachloride	4.20	117	100936m	26.799	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.66	83	77328	22.256	ug/l	97
40) Benzene	4.84	78	174686	22.898	ug/l	95
41) Methacrylonitrile	4.96	41	16163	19.457	ug/l	92
42) 1,2-Dichloroethane	5.15	62	76080	23.844	ug/l	99
43) Isopropyl Acetate	7.13	43	29128	18.485	ug/l #	99
44) Trichloroethene	5.71	130	66841	23.851	ug/l	97
45) 1,2-Dichloropropane	6.43	63	39178	22.673	ug/l	97
46) Dibromomethane	6.28	93	32399	22.614	ug/l	96
47) Bromodichloromethane	6.58	83	83309	23.258	ug/l	94
48) Methyl methacrylate	6.89	41	22379	20.096	ug/l	98
49) 1,4-Dioxane	6.88	88	3736	317.278	ug/l #	76
51) 4-Methyl-2-Pentanone	8.42	43	128555	107.663	ug/l	99
52) Toluene	7.80	92	105532	22.423	ug/l	96
53) t-1,3-Dichloropropene	8.44	75	57889	21.368	ug/l	97
54) cis-1,3-Dichloropropene	7.48	75	70587	22.387	ug/l	97
55) 1,1,2-Trichloroethane	8.66	97	33170	22.202	ug/l	96
56) Ethyl methacrylate	8.78	69	32772	20.780	ug/l	94
57) 1,3-Dichloropropane	9.01	76	54476	24.139	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.46	63	49825	105.084	ug/l	95
59) 2-Hexanone	9.64	43	90208	109.236	ug/l	95
60) Dibromochloromethane	8.87	129	53536	21.909	ug/l	96
61) 1,2-Dibromoethane	9.15	107	36132	20.577	ug/l	95
64) Tetrachloroethene	8.32	164	66524	23.925	ug/l	98
65) Chlorobenzene	9.95	112	132777	23.430	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.08	131	67139	23.485	ug/l	96
67) Ethyl Benzene	10.05	91	234476	23.629	ug/l	97
68) m/p-Xylenes	10.27	106	169952	46.418	ug/l	96
69) o-Xylene	10.84	106	99806	25.227	ug/l	96
70) Styrene	10.91	104	133666	22.543	ug/l	99
71) Bromoform	10.90	173	32690	20.872	ug/l #	99
73) Isopropylbenzene	11.23	105	294913	22.346	ug/l	99
74) N-amyl acetate	11.46	43	59981	21.170	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.78	83	45456	21.997	ug/l	100
76) 1,2,3-Trichloropropane	11.88	75	34919	22.149	ug/l #	100
77) Bromobenzene	11.60	156	76435	22.068	ug/l	98
78) n-propylbenzene	11.68	91	323679	23.036	ug/l	99
79) 2-Chlorotoluene	11.81	91	195409	22.365	ug/l	98
80) 1,3,5-Trimethylbenzene	11.91	105	263900	22.814	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	8065	13.609	ug/l #	78
82) 4-Chlorotoluene	11.98	91	187901	21.774	ug/l	100
83) tert-Butylbenzene	12.21	119	280855	23.102	ug/l	99
84) 1,2,4-Trimethylbenzene	12.28	105	258716	22.854	ug/l	98
85) sec-Butylbenzene	12.38	105	344714	23.296	ug/l	100
86) p-Isopropyltoluene	12.53	119	323021	23.496	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	149705	23.666	ug/l	100
88) 1,4-Dichlorobenzene	12.64	146	138006	22.604	ug/l	99
89) n-Butylbenzene	12.91	91	288307	23.571	ug/l	97
90) Hexachloroethane	12.99	117	74587	21.728	ug/l	95
91) 1,2-Dichlorobenzene	13.00	146	147022	24.012	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.69	75	8619	18.618	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	120499	21.941	µg/l	98
94) Hexachlorobutadiene	14.24	225	90972	22.224	µg/l	100
95) Naphthalene	14.50	128	178225	21.586	µg/l	98
96) 1,2,3-Trichlorobenzene	14.65	180	118226	22.220	µg/l	96

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

