

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF111318\
 Data File : VF060717.D
 Acq On : 13 Nov 2018 19:36
 Operator : VA/AP
 Sample : VF1113SBS02
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1113SBS02

Manual Integrations
 APPROVED

sam
 11/14/2018 11:54:01 AM

Quant Time: Nov 14 03:49:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 14 03:11:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	216981	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.61	114	376739	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.78	117	345572	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.55	152	192511	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	112407	45.42	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	90.84%	
35) Dibromofluoromethane	4.12	113	135926	48.00	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	96.00%	
50) Toluene-d8	7.56	98	345317	47.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.64%	
62) 4-Bromofluorobenzene	11.42	95	169144	50.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.02%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.97	85	86649	22.314	ug/l	96
3) Chloromethane	1.10	50	51052	21.199	ug/l	98
4) Vinyl Chloride	1.15	62	47429	22.016	ug/l	93
5) Bromomethane	1.33	94	28140	20.563	ug/l	95
6) Chloroethane	1.38	64	17242	20.456	ug/l	94
7) Trichlorofluoromethane	1.49	101	101002m	21.201	ug/l	
8) Diethyl Ether	1.63	74	12170	19.938	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.82	101	48320	21.523	ug/l	95
10) Methyl Iodide	1.89	142	77827m	21.607	ug/l	
11) Tert butyl alcohol	2.58	59	11469	101.824	ug/l #	92
12) 1,1-Dichloroethene	1.79	96	37319	21.082	ug/l	98
13) Acrolein	2.01	56	10216	99.196	ug/l	99
14) Allyl chloride	2.10	41	64130	20.679	ug/l	95
15) Acrylonitrile	2.94	53	26655	111.057	ug/l	93
16) Acetone	2.24	43	48771	92.195	ug/l	100
17) Carbon Disulfide	1.83	76	114337m	21.370	ug/l	
18) Methyl Acetate	2.35	43	17841m	20.539	ug/l	
19) Methyl tert-butyl Ether	2.43	73	84053	19.792	ug/l	95
20) Methylene Chloride	2.19	84	46047m	24.746	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	39766	21.501	ug/l	93
22) Diisopropyl ether	2.81	45	125425	20.949	ug/l	97
23) Vinyl Acetate	3.19	43	288433	102.303	ug/l	96
24) 1,1-Dichloroethane	2.88	63	81387	22.453	ug/l	99
25) 2-Butanone	4.34	43	91331	104.965	ug/l #	91
26) 2,2-Dichloropropane	3.61	77	61351	21.508	ug/l	96
27) cis-1,2-Dichloroethene	3.49	96	66336	21.084	ug/l	98
28) Bromochloromethane	3.72	49	41008	21.769	ug/l	94
29) Tetrahydrofuran	4.08	42	36731	102.341	ug/l	93
30) Chloroform	3.86	83	118827	20.432	ug/l	97
31) Cyclohexane	3.69	56	96646	21.968	ug/l	93
32) 1,1,1-Trichloroethane	4.10	97	99634	21.755	ug/l	97
36) 1,1-Dichloropropene	4.29	75	93270	21.347	ug/l	98
37) Ethyl Acetate	4.11	43	33309	20.505	ug/l	99
38) Carbon Tetrachloride	4.00	117	89555	21.124	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	103734	20.464	ug/l	97
40) Benzene	4.64	78	204896	21.037	ug/l	99
41) Methacrylonitrile	4.75	41	20001	20.543	ug/l	95
42) 1,2-Dichloroethane	4.95	62	65277	19.394	ug/l	97
43) Isopropyl Acetate	6.97	43	43491	20.193	ug/l #	92
44) Trichloroethene	5.51	130	63918	20.800	ug/l	95
45) 1,2-Dichloropropane	6.24	63	50657	19.987	ug/l	98
46) Dibromomethane	6.09	93	31437	18.791	ug/l	93
47) Bromodichloromethane	6.40	83	86059	20.144	ug/l	99
48) Methyl methacrylate	6.72	41	27649	19.397	ug/l	96
49) 1,4-Dioxane	6.72	88	5899	442.508	ug/l #	85
51) 4-Methyl-2-Pentanone	8.26	43	161192	103.481	ug/l	97
52) Toluene	7.63	92	126393	19.365	ug/l	93
53) t-1,3-Dichloropropene	8.28	75	66846	19.535	ug/l	99
54) cis-1,3-Dichloropropene	7.30	75	88109	19.823	ug/l	98
55) 1,1,2-Trichloroethane	8.50	97	37334	20.020	ug/l	97
56) Ethyl methacrylate	8.63	69	43339	20.463	ug/l	97
57) 1,3-Dichloropropane	8.85	76	62324	19.284	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.63	63	19882	102.767	ug/l	100
59) 2-Hexanone	9.49	43	115474	105.484	ug/l	97
60) Dibromochloromethane	8.73	129	50549	19.020	ug/l	98
61) 1,2-Dibromoethane	8.99	107	37267	19.002	ug/l	95
64) Tetrachloroethene	8.16	164	53897	19.695	ug/l	98
65) Chlorobenzene	9.80	112	140962	20.214	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.94	131	58626	19.275	ug/l	98
67) Ethyl Benzene	9.91	91	264017	20.086	ug/l	93
68) m/p-Xylenes	10.14	106	220243	46.886	ug/l	97
69) o-Xylene	10.72	106	107707	20.394	ug/l	99
70) Styrene	10.80	104	147024	20.513	ug/l	99
71) Bromoform	10.78	173	26583	19.436	ug/l #	86
73) Isopropylbenzene	11.13	105	326310	21.058	ug/l	98
74) N-amyl acetate	11.38	43	76529	21.694	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.70	83	53738	20.976	ug/l	97
76) 1,2,3-Trichloropropane	11.80	75	35821	18.826	ug/l	93
77) Bromobenzene	11.50	156	65517	20.312	ug/l	94
78) n-propylbenzene	11.60	91	370327	20.491	ug/l	95
79) 2-Chlorotoluene	11.72	91	215824	20.547	ug/l	96
80) 1,3,5-Trimethylbenzene	11.83	105	271340	22.056	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.87	75	17904m	19.154	ug/l	
82) 4-Chlorotoluene	11.90	91	218681	20.322	ug/l	97
83) tert-Butylbenzene	12.14	119	269137	20.604	ug/l	98
84) 1,2,4-Trimethylbenzene	12.21	105	257253	20.219	ug/l	96
85) sec-Butylbenzene	12.31	105	367455	20.738	ug/l	97
86) p-Isopropyltoluene	12.46	119	315235	21.301	ug/l	96
87) 1,3-Dichlorobenzene	12.48	146	132816	20.691	ug/l	95
88) 1,4-Dichlorobenzene	12.57	146	125030	20.267	ug/l	93
89) n-Butylbenzene	12.85	91	317142	20.999	ug/l	96
90) Hexachloroethane	12.92	117	77489	21.408	ug/l	87
91) 1,2-Dichlorobenzene	12.95	146	128212	21.214	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.65	75	9075	18.847	ug/l	77

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	90021	20.723	µg/l	93
94) Hexachlorobutadiene	14.19	225	58692	20.676	µg/l	94
95) Naphthalene	14.46	128	164754	20.785	µg/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	80713	20.107	µg/l	96

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

