

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF120318\
 Data File : VF060890.D
 Acq On : 3 Dec 2018 14:35
 Operator : VA/AP
 Sample : VF1203SBS01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1203SBS01

Manual Integrations
 APPROVED

apatel
 12/4/2018 2:48:26 PM

Quant Time: Dec 04 03:34:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.89	168	185420	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.62	114	302892	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.80	117	282987	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.56	152	152633	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.87	65	126789	58.05	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	116.10%	
35) Dibromofluoromethane	4.14	113	128696	53.56	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	107.12%	
50) Toluene-d8	7.57	98	358729	50.68	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	101.36%	
62) 4-Bromofluorobenzene	11.43	95	170138	52.89	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	105.78%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.97	85	61546	22.199	ug/l	96
3) Chloromethane	1.10	50	37184	20.611	ug/l	98
4) Vinyl Chloride	1.14	62	36633	21.769	ug/l	98
5) Bromomethane	1.35	94	26507	22.339	ug/l	97
6) Chloroethane	1.40	64	16253	22.344	ug/l	92
7) Trichlorofluoromethane	1.48	101	79846	22.115	ug/l	85
8) Diethyl Ether	1.64	74	10790	20.782	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.85	101	38470	21.076	ug/l	96
10) Methyl Iodide	1.92	142	61162m	22.044	ug/l	
11) Tert butyl alcohol	2.59	59	11193	125.005	ug/l #	84
12) 1,1-Dichloroethene	1.81	96	31288	21.311	ug/l	94
13) Acrolein	2.02	56	8887	104.755	ug/l	100
14) Allyl chloride	2.11	41	29442	16.089	ug/l	88
15) Acrylonitrile	2.97	53	23798	118.550	ug/l	92
16) Acetone	2.25	43	46504	115.452	ug/l	98
17) Carbon Disulfide	1.83	76	81252m	20.640	ug/l	
18) Methyl Acetate	2.36	43	17203	24.619	ug/l	96
19) Methyl tert-butyl Ether	2.44	73	70640	21.362	ug/l #	89
20) Methylene Chloride	2.26	84	33102m	22.401	ug/l	
21) trans-1,2-Dichloroethene	2.32	96	29284m	20.689	ug/l	
22) Diisopropyl ether	2.82	45	106490	21.379	ug/l	97
23) Vinyl Acetate	3.21	43	268465	117.908	ug/l #	96
24) 1,1-Dichloroethane	2.89	63	65194	21.999	ug/l	100
25) 2-Butanone	4.36	43	84481	121.259	ug/l	97
26) 2,2-Dichloropropane	3.62	77	43235	22.503	ug/l	93
27) cis-1,2-Dichloroethene	3.50	96	51453	22.329	ug/l	94
28) Bromochloromethane	3.74	49	33652	23.661	ug/l	94
29) Tetrahydrofuran	4.10	42	34402	116.490	ug/l	96
30) Chloroform	3.88	83	100205	21.970	ug/l	99
31) Cyclohexane	3.70	56	68267m	22.196	ug/l	
32) 1,1,1-Trichloroethane	4.11	97	59875	18.929	ug/l	94
36) 1,1-Dichloropropene	4.30	75	75121	22.360	ug/l	94
37) Ethyl Acetate	4.14	43	36269	26.566	ug/l #	78
38) Carbon Tetrachloride	4.01	117	62046	20.910	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.48	83	70475	20.017	ug/l	91
40) Benzene	4.66	78	163826	22.073	ug/l	96
41) Methacrylonitrile	4.77	41	18832	24.677	ug/l	89
42) 1,2-Dichloroethane	4.97	62	59702	22.033	ug/l	97
43) Isopropyl Acetate	6.99	43	36633	20.122	ug/l #	98
44) Trichloroethene	5.53	130	52949	21.819	ug/l	92
45) 1,2-Dichloropropane	6.26	63	39411	20.446	ug/l	94
46) Dibromomethane	6.11	93	27645	21.142	ug/l	92
47) Bromodichloromethane	6.41	83	77196	22.227	ug/l	98
48) Methyl methacrylate	6.74	41	24260	19.631	ug/l	96
49) 1,4-Dioxane	6.73	88	4082	451.333	ug/l #	77
51) 4-Methyl-2-Pentanone	8.28	43	142606	113.272	ug/l	97
52) Toluene	7.65	92	105207	20.180	ug/l	96
53) t-1,3-Dichloropropene	8.30	75	62223	22.026	ug/l	97
54) cis-1,3-Dichloropropene	7.33	75	78049	22.317	ug/l	94
55) 1,1,2-Trichloroethane	8.51	97	32601	21.461	ug/l	98
56) Ethyl methacrylate	8.64	69	34381	20.374	ug/l	97
57) 1,3-Dichloropropane	8.87	76	57468	21.623	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.32	63	20907	121.124	ug/l	93
59) 2-Hexanone	9.52	43	103021	116.639	ug/l	99
60) Dibromochloromethane	8.74	129	47577	21.020	ug/l	98
61) 1,2-Dibromoethane	9.01	107	35398	21.570	ug/l	95
64) Tetrachloroethene	8.17	164	47609	22.026	ug/l	94
65) Chlorobenzene	9.82	112	118790	21.578	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.95	131	51955	21.953	ug/l	90
67) Ethyl Benzene	9.92	91	231202	22.559	ug/l	98
68) m/p-Xylenes	10.16	106	161303	43.759	ug/l	91
69) o-Xylene	10.73	106	85765	21.100	ug/l	83
70) Styrene	10.81	104	124447	22.086	ug/l	99
71) Bromoform	10.80	173	25025	21.891	ug/l #	95
73) Isopropylbenzene	11.14	105	268423	22.254	ug/l	99
74) N-amyl acetate	11.39	43	67105	24.093	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.71	83	46470	23.409	ug/l	99
76) 1,2,3-Trichloropropane	11.81	75	32316	22.396	ug/l	98
77) Bromobenzene	11.52	156	56222	21.261	ug/l	94
78) n-propylbenzene	11.61	91	311693	22.066	ug/l	98
79) 2-Chlorotoluene	11.73	91	180706	22.311	ug/l	97
80) 1,3,5-Trimethylbenzene	11.84	105	222181	22.690	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.88	75	14889m	21.060	ug/l	
82) 4-Chlorotoluene	11.91	91	182038	21.357	ug/l	97
83) tert-Butylbenzene	12.15	119	217757	21.831	ug/l	98
84) 1,2,4-Trimethylbenzene	12.22	105	215566	22.058	ug/l	94
85) sec-Butylbenzene	12.32	105	305223	22.353	ug/l	97
86) p-Isopropyltoluene	12.47	119	252590	22.065	ug/l	99
87) 1,3-Dichlorobenzene	12.49	146	108525	21.575	ug/l	97
88) 1,4-Dichlorobenzene	12.58	146	106863	21.800	ug/l	99
89) n-Butylbenzene	12.86	91	263378	22.753	ug/l	96
90) Hexachloroethane	12.93	117	60820	22.063	ug/l	96
91) 1,2-Dichlorobenzene	12.96	146	106685	22.397	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.66	75	7535	19.633	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	74505	22.385	ug/l	97
94) Hexachlorobutadiene	14.20	225	46640	21.021	ug/l	99
95) Naphthalene	14.47	128	137854	19.183	ug/l	99
96) 1,2,3-Trichlorobenzene	14.61	180	70259	22.734	ug/l	97

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

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