

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100418\
 Data File : VF060440.D
 Acq On : 4 Oct 2018 17:15
 Operator : VA/AP
 Sample : VF1004SBSD01
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1004SBSD01

Manual Integrations
 APPROVED

apatel
 10/5/2018 12:26:30 PM

Quant Time: Oct 04 17:38:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 11:42:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	275713	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.75	114	450605	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.90	117	394257	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.63	152	231359	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	221642	51.37	ug/l	0.01
Spiked Amount 50.000			Recovery	=	102.74%	
35) Dibromofluoromethane	4.28	113	212588	50.22	ug/l	0.01
Spiked Amount 50.000			Recovery	=	100.44%	
50) Toluene-d8	7.70	98	533441	51.17	ug/l	0.01
Spiked Amount 50.000			Recovery	=	102.34%	
62) 4-Bromofluorobenzene	11.50	95	229820	48.28	ug/l	0.01
Spiked Amount 50.000			Recovery	=	96.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	143486	20.924	ug/l	95
3) Chloromethane	1.12	50	81902	21.876	ug/l #	86
4) Vinyl Chloride	1.17	62	81852	21.016	ug/l	94
5) Bromomethane	1.36	94	62838	20.830	ug/l	94
6) Chloroethane	1.43	64	39660	20.406	ug/l	89
7) Trichlorofluoromethane	1.53	101	182517	20.199	ug/l	97
8) Diethyl Ether	1.69	74	23585	19.045	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.89	101	88986	20.559	ug/l	98
10) Methyl Iodide	1.96	142	133362	20.204	ug/l	99
11) Tert butyl alcohol	2.68	59	28355	108.657	ug/l #	76
12) 1,1-Dichloroethene	1.85	96	69272	20.713	ug/l	98
13) Acrolein	2.09	56	20876	99.474	ug/l	100
14) Allyl chloride	2.19	41	111296	20.769	ug/l	98
15) Acrylonitrile	3.06	53	45762	102.341	ug/l #	93
16) Acetone	2.33	43	124342	128.393	ug/l	97
17) Carbon Disulfide	1.89	76	205119	20.255	ug/l	99
18) Methyl Acetate	2.44	43	34224	20.042	ug/l	99
19) Methyl tert-butyl Ether	2.53	73	167696	20.587	ug/l	97
20) Methylene Chloride	2.31	84	72114m	19.505	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	67318	20.154	ug/l	91
22) Diisopropyl ether	2.92	45	187881	19.316	ug/l #	96
23) Vinyl Acetate	3.32	43	433317	112.147	ug/l	97
24) 1,1-Dichloroethane	2.99	63	131447	19.984	ug/l	99
25) 2-Butanone	4.49	43	132897	118.965	ug/l #	83
26) 2,2-Dichloropropane	3.74	77	82172	22.057	ug/l	97
27) cis-1,2-Dichloroethene	3.63	96	81019	21.695	ug/l	97
28) Bromochloromethane	3.88	49	51549	21.264	ug/l	99
29) Tetrahydrofuran	4.25	42	54095	126.280	ug/l	96
30) Chloroform	4.02	83	169249	20.853	ug/l	99
31) Cyclohexane	3.85	56	108579	22.988	ug/l #	88
32) 1,1,1-Trichloroethane	4.27	97	150900	22.342	ug/l	93
36) 1,1-Dichloropropene	4.44	75	113992	20.518	ug/l	92
37) Ethyl Acetate	4.28	43	49996	23.500	ug/l	88
38) Carbon Tetrachloride	4.16	117	165524	24.477	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	115316	21.173	ug/l	91
40) Benzene	4.80	78	251533	22.807	ug/l	97
41) Methacrylonitrile	4.91	41	26365	23.373	ug/l	93
42) 1,2-Dichloroethane	5.10	62	116942	22.225	ug/l	99
43) Isopropyl Acetate	7.10	43	58863	22.895	ug/l	92
44) Trichloroethene	5.66	130	74927	21.173	ug/l	87
45) 1,2-Dichloropropane	6.39	63	67165	22.868	ug/l	97
46) Dibromomethane	6.24	93	50589	21.423	ug/l	92
47) Bromodichloromethane	6.53	83	126767	21.675	ug/l	95
48) Methyl methacrylate	6.87	41	39454	21.378	ug/l	91
49) 1,4-Dioxane	6.85	88	8268	519.587	ug/l #	85
51) 4-Methyl-2-Pentanone	8.40	43	230196	125.780	ug/l	100
52) Toluene	7.77	92	159495	21.291	ug/l	98
53) t-1,3-Dichloropropene	8.42	75	98881	21.574	ug/l	92
54) cis-1,3-Dichloropropene	7.45	75	122203	22.813	ug/l	92
55) 1,1,2-Trichloroethane	8.62	97	52705	22.197	ug/l	97
56) Ethyl methacrylate	8.75	69	65869	24.412	ug/l	94
57) 1,3-Dichloropropane	8.99	76	92320	22.983	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.77	63	27570	100.035	ug/l	100
59) 2-Hexanone	9.62	43	180683	134.598	ug/l	100
60) Dibromochloromethane	8.85	129	76131	21.295	ug/l	91
61) 1,2-Dibromoethane	9.13	107	57062	21.962	ug/l	93
64) Tetrachloroethene	8.30	164	73268	23.378	ug/l	92
65) Chlorobenzene	9.93	112	187143	23.108	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.06	131	75947	21.477	ug/l	98
67) Ethyl Benzene	10.03	91	362273	23.526	ug/l	100
68) m/p-Xylenes	10.26	106	241875	45.692	ug/l	100
69) o-Xylene	10.82	106	131264	22.749	ug/l	98
70) Styrene	10.89	104	190402	23.199	ug/l	96
71) Bromoform	10.88	173	41902	22.256	ug/l #	88
73) Isopropylbenzene	11.23	105	405301	22.249	ug/l	100
74) N-amyl acetate	11.46	43	101566	24.293	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	75452	22.719	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	54934	22.468	ug/l	84
77) Bromobenzene	11.59	156	84063	20.644	ug/l	95
78) n-propylbenzene	11.68	91	480454	21.756	ug/l	94
79) 2-Chlorotoluene	11.81	91	280077	21.681	ug/l	97
80) 1,3,5-Trimethylbenzene	11.91	105	339515	21.937	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.95	75	25404m	23.439	ug/l	
82) 4-Chlorotoluene	11.98	91	286703	21.691	ug/l	100
83) tert-Butylbenzene	12.21	119	335676	21.989	ug/l	96
84) 1,2,4-Trimethylbenzene	12.28	105	352975	22.997	ug/l	95
85) sec-Butylbenzene	12.38	105	460083	21.835	ug/l	96
86) p-Isopropyltoluene	12.54	119	376502	21.871	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	166304	21.703	ug/l	99
88) 1,4-Dichlorobenzene	12.64	146	162778	21.543	ug/l	97
89) n-Butylbenzene	12.91	91	425171	23.341	ug/l	93
90) Hexachloroethane	12.99	117	86484	19.438	ug/l	89
91) 1,2-Dichlorobenzene	13.02	146	159534	21.729	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	12754	19.809	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	122934	22.402	ug/l	94
94) Hexachlorobutadiene	14.25	225	79151	20.666	ug/l	98
95) Naphthalene	14.52	128	221787	22.605	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	111668	21.708	ug/l	95

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

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