

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF100818\
 Data File : VF060481.D
 Acq On : 8 Oct 2018 12:57
 Operator : VA/AP
 Sample : VF1008SBSD01
 Misc : 5.00/5mL/MSVOA_F/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1008SBSD01

Manual Integrations
 APPROVED

apatel
 10/9/2018 8:53:27 AM

Quant Time: Oct 09 01:50:13 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	4.99	168	252704	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.72	114	419762	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.88	117	377801	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.61	152	202984	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.97	65	208651	52.77	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	105.54%	
35) Dibromofluoromethane	4.24	113	214074	54.29	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	108.58%	
50) Toluene-d8	7.66	98	524252	53.98	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	107.96%	
62) 4-Bromofluorobenzene	11.48	95	223161	50.33	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	100.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	139738	22.632	ug/l	96
3) Chloromethane	1.12	50	78027	22.739	ug/l	90
4) Vinyl Chloride	1.17	62	80604	22.580	ug/l	98
5) Bromomethane	1.34	94	56734	20.519	ug/l	91
6) Chloroethane	1.41	64	37429	21.012	ug/l	90
7) Trichlorofluoromethane	1.53	101	173294	20.924	ug/l	92
8) Diethyl Ether	1.68	74	25900	22.819	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.89	101	83943	21.160	ug/l	96
10) Methyl Iodide	1.96	142	134005m	22.150	ug/l	
11) Tert butyl alcohol	2.66	59	26976	112.785	ug/l #	86
12) 1,1-Dichloroethene	1.84	96	71422	23.300	ug/l	88
13) Acrolein	2.06	56	17471m	90.829	ug/l	
14) Allyl chloride	2.16	41	97626	19.877	ug/l	95
15) Acrylonitrile	3.04	53	47804	116.642	ug/l	92
16) Acetone	2.31	43	114638	129.306	ug/l	98
17) Carbon Disulfide	1.89	76	202535	21.820	ug/l	98
18) Methyl Acetate	2.42	43	33556	21.569	ug/l #	90
19) Methyl tert-butyl Ether	2.51	73	167715	22.464	ug/l	93
20) Methylene Chloride	2.25	84	65172m	19.145	ug/l	
21) trans-1,2-Dichloroethene	2.38	96	72378	23.642	ug/l	96
22) Diisopropyl ether	2.89	45	217038	24.345	ug/l	95
23) Vinyl Acetate	3.29	43	388281	109.641	ug/l	100
24) 1,1-Dichloroethane	2.96	63	143392	23.784	ug/l	99
25) 2-Butanone	4.46	43	118927	116.153	ug/l	100
26) 2,2-Dichloropropane	3.71	77	79081	23.160	ug/l	93
27) cis-1,2-Dichloroethene	3.58	96	75923	22.181	ug/l	93
28) Bromochloromethane	3.84	49	46494	20.925	ug/l	92
29) Tetrahydrofuran	4.21	42	45121	114.501	ug/l	92
30) Chloroform	3.99	83	168232	22.614	ug/l	98
31) Cyclohexane	3.81	56	92556m	21.380	ug/l	
32) 1,1,1-Trichloroethane	4.22	97	136663	22.077	ug/l #	86
36) 1,1-Dichloropropene	4.41	75	114837	22.189	ug/l	98
37) Ethyl Acetate	4.24	43	41258	20.818	ug/l #	80
38) Carbon Tetrachloride	4.12	117	118561	18.820	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.57	83	111155	21.908	ug/l	91
40) Benzene	4.75	78	234918	22.865	ug/l	99
41) Methacrylonitrile	4.87	41	21064	20.045	ug/l #	94
42) 1,2-Dichloroethane	5.07	62	98055	20.005	ug/l	95
43) Isopropyl Acetate	7.07	43	48657	20.316	ug/l #	92
44) Trichloroethene	5.62	130	78042	23.674	ug/l	90
45) 1,2-Dichloropropane	6.35	63	58128	21.245	ug/l	97
46) Dibromomethane	6.20	93	47371	21.534	ug/l	91
47) Bromodichloromethane	6.50	83	114153	20.952	ug/l	93
48) Methyl methacrylate	6.82	41	36512	21.238	ug/l	91
49) 1,4-Dioxane	6.82	88	5993	404.292	ug/l #	48
51) 4-Methyl-2-Pentanone	8.36	43	182621	107.117	ug/l	99
52) Toluene	7.73	92	154909	22.199	ug/l	97
53) t-1,3-Dichloropropene	8.38	75	91822	21.505	ug/l	91
54) cis-1,3-Dichloropropene	7.42	75	109691	21.982	ug/l	99
55) 1,1,2-Trichloroethane	8.60	97	45613	20.621	ug/l #	79
56) Ethyl methacrylate	8.72	69	54363	21.629	ug/l	94
57) 1,3-Dichloropropane	8.96	76	78670	21.023	ug/l	91
58) 2-Chloroethyl Vinyl ether	7.73	63	28261	110.076	ug/l	100
59) 2-Hexanone	9.59	43	150209	120.119	ug/l	94
60) Dibromochloromethane	8.83	129	73857	22.177	ug/l	100
61) 1,2-Dibromoethane	9.09	107	52721	21.782	ug/l	87
64) Tetrachloroethene	8.26	164	63622	21.184	ug/l	93
65) Chlorobenzene	9.90	112	172874	22.275	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.03	131	74738	22.056	ug/l	92
67) Ethyl Benzene	10.00	91	327925	22.223	ug/l	99
68) m/p-Xylenes	10.23	106	226122	44.576	ug/l	91
69) o-Xylene	10.80	106	126101	22.806	ug/l	100
70) Styrene	10.87	104	174042	22.129	ug/l	99
71) Bromoform	10.86	173	34674	19.219	ug/l #	99
73) Isopropylbenzene	11.20	105	384469	24.056	ug/l	100
74) N-amyl acetate	11.44	43	85987	23.442	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.76	83	62734	21.530	ug/l	99
76) 1,2,3-Trichloropropane	11.86	75	45127	21.037	ug/l	98
77) Bromobenzene	11.57	156	76251	21.343	ug/l	95
78) n-propylbenzene	11.66	91	444224	22.927	ug/l	100
79) 2-Chlorotoluene	11.78	91	260350	22.971	ug/l	99
80) 1,3,5-Trimethylbenzene	11.88	105	320085	23.572	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.93	75	22011m	23.147	ug/l	
82) 4-Chlorotoluene	11.96	91	265248	22.873	ug/l	99
83) tert-Butylbenzene	12.19	119	313234	23.388	ug/l	96
84) 1,2,4-Trimethylbenzene	12.27	105	311548	23.135	ug/l	99
85) sec-Butylbenzene	12.36	105	413361	22.360	ug/l	97
86) p-Isopropyltoluene	12.51	119	343509	22.744	ug/l	100
87) 1,3-Dichlorobenzene	12.53	146	148109	22.031	ug/l	99
88) 1,4-Dichlorobenzene	12.62	146	140122	21.137	ug/l	97
89) n-Butylbenzene	12.90	91	387121	24.223	ug/l	95
90) Hexachloroethane	12.98	117	88851	22.762	ug/l	76
91) 1,2-Dichlorobenzene	13.00	146	150441	23.355	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.70	75	11427	20.229	ug/l	74

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	107708	22.371	ug/l	95
94) Hexachlorobutadiene	14.24	225	73258	21.801	ug/l	94
95) Naphthalene	14.50	128	185494	21.548	ug/l	98
96) 1,2,3-Trichlorobenzene	14.64	180	108034	23.938	ug/l	95

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

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