

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100318\
 Data File : VF060420.D
 Acq On : 3 Oct 2018 17:50
 Operator : VA/AP
 Sample : VF1003SBSD01
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1003SBSD01

Manual Integrations
 APPROVED

apatel
 10/4/2018 2:05:17 PM

Quant Time: Oct 04 05:45:23 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	5.02	168	281882	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	468832	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	398620	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	219840	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	209905	47.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.18%	
35) Dibromofluoromethane	4.28	113	210092	47.70	ug/l	0.02
Spiked Amount	50.000		Recovery	=	95.40%	
50) Toluene-d8	7.69	98	547880	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	
62) 4-Bromofluorobenzene	11.49	95	225656	45.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.12%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.00	85	134026	18.566	ug/l	99
3) Chloromethane	1.12	50	76646	20.024	ug/l	96
4) Vinyl Chloride	1.17	62	83555	20.984	ug/l	95
5) Bromomethane	1.36	94	60413	19.588	ug/l	98
6) Chloroethane	1.42	64	38654	19.453	ug/l	89
7) Trichlorofluoromethane	1.54	101	172281	18.649	ug/l	96
8) Diethyl Ether	1.70	74	22519	17.787	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.88	101	81820	18.490	ug/l	94
10) Methyl Iodide	1.95	142	127827	18.942	ug/l	95
11) Tert butyl alcohol	2.67	59	24416	91.515	ug/l #	83
12) 1,1-Dichloroethene	1.84	96	65297	19.097	ug/l	97
13) Acrolein	2.08	56	19304	89.970	ug/l #	75
14) Allyl chloride	2.18	41	115736	21.125	ug/l	90
15) Acrylonitrile	3.07	53	39891	87.259	ug/l	87
16) Acetone	2.34	43	112626	110.764	ug/l	99
17) Carbon Disulfide	1.89	76	207217	20.014	ug/l	99
18) Methyl Acetate	2.44	43	30651	17.328	ug/l #	89
19) Methyl tert-butyl Ether	2.53	73	147624	17.726	ug/l	100
20) Methylene Chloride	2.27	84	76078m	20.327	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	64405	18.860	ug/l	96
22) Diisopropyl ether	2.91	45	184974	18.601	ug/l	94
23) Vinyl Acetate	3.31	43	390604	98.880	ug/l	98
24) 1,1-Dichloroethane	2.99	63	125177	18.614	ug/l	100
25) 2-Butanone	4.49	43	125228	109.647	ug/l	99
26) 2,2-Dichloropropane	3.75	77	77938	20.463	ug/l	99
27) cis-1,2-Dichloroethene	3.62	96	78390	20.531	ug/l	85
28) Bromochloromethane	3.87	49	54749	22.090	ug/l	94
29) Tetrahydrofuran	4.24	42	46472	105.364	ug/l	98
30) Chloroform	4.01	83	174709	21.054	ug/l	94
31) Cyclohexane	3.84	56	107898	22.344	ug/l	97
32) 1,1,1-Trichloroethane	4.25	97	147882	21.416	ug/l	92
36) 1,1-Dichloropropene	4.44	75	120146	20.785	ug/l	95
37) Ethyl Acetate	4.27	43	44838	20.256	ug/l #	87
38) Carbon Tetrachloride	4.15	117	157379	22.368	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	118044	20.831	ug/l	87
40) Benzene	4.79	78	257106	22.406	ug/l	98
41) Methacrylonitrile	4.91	41	20925	17.829	ug/l	90
42) 1,2-Dichloroethane	5.10	62	106862	19.520	ug/l	100
43) Isopropyl Acetate	7.10	43	54836	20.500	ug/l #	97
44) Trichloroethene	5.65	130	74299	20.179	ug/l	94
45) 1,2-Dichloropropane	6.38	63	64477	21.099	ug/l	96
46) Dibromomethane	6.23	93	46379	18.876	ug/l	84
47) Bromodichloromethane	6.53	83	117275	19.273	ug/l #	91
48) Methyl methacrylate	6.85	41	39359	20.497	ug/l	98
49) 1,4-Dioxane	6.86	88	7114	429.685	ug/l #	72
51) 4-Methyl-2-Pentanone	8.39	43	198902	104.456	ug/l	95
52) Toluene	7.76	92	162282	20.821	ug/l	96
53) t-1,3-Dichloropropene	8.41	75	95891	20.108	ug/l	98
54) cis-1,3-Dichloropropene	7.43	75	115915	20.798	ug/l	98
55) 1,1,2-Trichloroethane	8.62	97	46908	18.987	ug/l	98
56) Ethyl methacrylate	8.74	69	57056	20.324	ug/l	99
57) 1,3-Dichloropropane	8.98	76	82111	19.646	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.76	63	28763	100.306	ug/l	100
59) 2-Hexanone	9.61	43	157051	112.446	ug/l	98
60) Dibromochloromethane	8.84	129	68783	18.491	ug/l	96
61) 1,2-Dibromoethane	9.12	107	52122	19.281	ug/l	100
64) Tetrachloroethene	8.29	164	70618	22.285	ug/l	92
65) Chlorobenzene	9.93	112	175756	21.464	ug/l	92
66) 1,1,1,2-Tetrachloroethane	10.05	131	74690	20.890	ug/l	94
67) Ethyl Benzene	10.02	91	340514	21.871	ug/l	99
68) m/p-Xylenes	10.25	106	235364	43.975	ug/l	98
69) o-Xylene	10.81	106	129732	22.237	ug/l	97
70) Styrene	10.89	104	176939	21.322	ug/l	94
71) Bromoform	10.87	173	38846	20.407	ug/l #	98
73) Isopropylbenzene	11.22	105	388457	22.442	ug/l	99
74) N-amyl acetate	11.45	43	83465	21.010	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.77	83	65270	20.682	ug/l	86
76) 1,2,3-Trichloropropane	11.87	75	49706	21.395	ug/l	91
77) Bromobenzene	11.58	156	73701	19.048	ug/l	100
78) n-propylbenzene	11.67	91	456585	21.758	ug/l	93
79) 2-Chlorotoluene	11.80	91	266221	21.688	ug/l	98
80) 1,3,5-Trimethylbenzene	11.90	105	320334	21.782	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.95	75	22524m	21.871	ug/l	
82) 4-Chlorotoluene	11.98	91	262559	20.905	ug/l	97
83) tert-Butylbenzene	12.20	119	300363	20.707	ug/l	96
84) 1,2,4-Trimethylbenzene	12.27	105	310101	21.262	ug/l	95
85) sec-Butylbenzene	12.38	105	430454	21.499	ug/l	99
86) p-Isopropyltoluene	12.53	119	348346	21.296	ug/l	96
87) 1,3-Dichlorobenzene	12.55	146	152587	20.957	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	151017	21.034	ug/l	98
89) n-Butylbenzene	12.91	91	383466	22.154	ug/l	95
90) Hexachloroethane	12.98	117	82984	19.629	ug/l	93
91) 1,2-Dichlorobenzene	13.01	146	142911	20.485	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.70	75	11345	18.544	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	106699	20.462	ug/l	93
94) Hexachlorobutadiene	14.24	225	72413	19.897	ug/l	96
95) Naphthalene	14.51	128	187590	20.121	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	101063	20.676	ug/l	97

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

