

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100218\
 Data File : VF060399.D
 Acq On : 2 Oct 2018 13:49
 Operator : VA/AP
 Sample : VF1002SBSD01
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1002SBSD01

Manual Integrations
 APPROVED

apatel
 10/3/2018 1:02:07 PM

Quant Time: Oct 02 14:33:39 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	258821	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.74	114	433136	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	370997	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.63	152	210257	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	198134	48.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.84%	
35) Dibromofluoromethane	4.28	113	202223	49.70	ug/l	0.01
Spiked Amount	50.000		Recovery	=	99.40%	
50) Toluene-d8	7.69	98	496192	49.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.02%	
62) 4-Bromofluorobenzene	11.50	95	213871	46.74	ug/l	0.01
Spiked Amount	50.000		Recovery	=	93.48%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.99	85	148983	23.821	ug/l	99
3) Chloromethane	1.13	50	85691	24.382	ug/l	99
4) Vinyl Chloride	1.18	62	87093	23.822	ug/l	94
5) Bromomethane	1.35	94	61793	21.820	ug/l	95
6) Chloroethane	1.43	64	40019	21.935	ug/l	91
7) Trichlorofluoromethane	1.54	101	180385	21.266	ug/l	97
8) Diethyl Ether	1.69	74	23669	20.361	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	1.90	101	91539	22.529	ug/l	92
10) Methyl Iodide	1.97	142	127778m	20.622	ug/l	
11) Tert butyl alcohol	2.67	59	26468	108.046	ug/l #	77
12) 1,1-Dichloroethene	1.86	96	76160	24.259	ug/l	98
13) Acrolein	2.08	56	19059	96.743	ug/l	87
14) Allyl chloride	2.18	41	108051	21.479	ug/l	93
15) Acrylonitrile	3.05	53	44154	105.190	ug/l #	88
16) Acetone	2.32	43	112279	122.507	ug/l	94
17) Carbon Disulfide	1.90	76	218421	22.976	ug/l	94
18) Methyl Acetate	2.44	43	29445	18.215	ug/l #	85
19) Methyl tert-butyl Ether	2.53	73	163430	21.373	ug/l	97
20) Methylene Chloride	2.27	84	74424m	22.067	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	67086	21.396	ug/l	97
22) Diisopropyl ether	2.92	45	191618	20.986	ug/l	98
23) Vinyl Acetate	3.32	43	402666	111.015	ug/l	98
24) 1,1-Dichloroethane	2.98	63	136274	22.070	ug/l	99
25) 2-Butanone	4.49	43	121020	115.404	ug/l	93
26) 2,2-Dichloropropane	3.74	77	80266	22.951	ug/l	98
27) cis-1,2-Dichloroethene	3.62	96	76123	21.714	ug/l	89
28) Bromochloromethane	3.87	49	50572	22.223	ug/l	97
29) Tetrahydrofuran	4.24	42	41693	102.845	ug/l	96
30) Chloroform	4.02	83	159548	20.940	ug/l	93
31) Cyclohexane	3.85	56	103643	23.375	ug/l	99
32) 1,1,1-Trichloroethane	4.25	97	135672	21.398	ug/l	93
36) 1,1-Dichloropropene	4.44	75	109939	20.587	ug/l	96
37) Ethyl Acetate	4.27	43	41246	20.169	ug/l	86
38) Carbon Tetrachloride	4.15	117	127166m	19.563	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	115006	21.968	ug/l	93
40) Benzene	4.79	78	232968	21.975	ug/l	96
41) Methacrylonitrile	4.91	41	21444	19.777	ug/l	92
42) 1,2-Dichloroethane	5.09	62	103569	20.478	ug/l	91
43) Isopropyl Acetate	7.10	43	50698	20.515	ug/l #	94
44) Trichloroethene	5.66	130	72524	21.321	ug/l	99
45) 1,2-Dichloropropane	6.39	63	60362	21.380	ug/l #	89
46) Dibromomethane	6.24	93	41876	18.448	ug/l	89
47) Bromodichloromethane	6.52	83	117087	20.827	ug/l	98
48) Methyl methacrylate	6.86	41	32382	18.254	ug/l	91
49) 1,4-Dioxane	6.85	88	6641	434.173	ug/l	93
51) 4-Methyl-2-Pentanone	8.39	43	195739	111.266	ug/l	99
52) Toluene	7.77	92	144117	20.014	ug/l	95
53) t-1,3-Dichloropropene	8.41	75	91181	20.696	ug/l	99
54) cis-1,3-Dichloropropene	7.44	75	100362	19.491	ug/l	93
55) 1,1,2-Trichloroethane	8.61	97	43271	18.958	ug/l	92
56) Ethyl methacrylate	8.74	69	53071	20.463	ug/l	96
57) 1,3-Dichloropropane	8.98	76	76091	19.706	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.76	63	24833	93.738	ug/l	100
59) 2-Hexanone	9.61	43	158122	122.543	ug/l	91
60) Dibromochloromethane	8.84	129	63331	18.429	ug/l	94
61) 1,2-Dibromoethane	9.12	107	48408	19.383	ug/l	91
64) Tetrachloroethene	8.29	164	63275	21.455	ug/l	96
65) Chlorobenzene	9.92	112	159285	20.901	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.05	131	72024	21.645	ug/l	99
67) Ethyl Benzene	10.02	91	321733	22.203	ug/l	99
68) m/p-Xylenes	10.25	106	214526	43.066	ug/l	96
69) o-Xylene	10.81	106	121846	22.441	ug/l	99
70) Styrene	10.89	104	168125	21.769	ug/l	97
71) Bromoform	10.87	173	35135	19.832	ug/l #	93
73) Isopropylbenzene	11.22	105	361042	21.809	ug/l	100
74) N-amyl acetate	11.45	43	84976	22.365	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	61700	20.442	ug/l	94
76) 1,2,3-Trichloropropane	11.88	75	43123	19.407	ug/l	97
77) Bromobenzene	11.58	156	75678	20.450	ug/l	95
78) n-propylbenzene	11.68	91	444226	22.134	ug/l	99
79) 2-Chlorotoluene	11.80	91	256070	21.812	ug/l	97
80) 1,3,5-Trimethylbenzene	11.91	105	309534	22.007	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	21005m	21.325	ug/l	
82) 4-Chlorotoluene	11.97	91	245455	20.434	ug/l	92
83) tert-Butylbenzene	12.20	119	318173	22.935	ug/l	96
84) 1,2,4-Trimethylbenzene	12.28	105	304279	21.814	ug/l	95
85) sec-Butylbenzene	12.38	105	406543	21.230	ug/l	100
86) p-Isopropyltoluene	12.53	119	329597	21.068	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	141953	20.385	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	139763	20.354	ug/l	99
89) n-Butylbenzene	12.91	91	372926	22.527	ug/l	92
90) Hexachloroethane	12.99	117	83086	20.549	ug/l	71
91) 1,2-Dichlorobenzene	13.01	146	133346	19.985	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.70	75	10381	17.742	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	105103	21.075	ug/l	97
94) Hexachlorobutadiene	14.25	225	76472	21.970	ug/l	95
95) Naphthalene	14.52	128	187285	21.004	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	96355	20.611	ug/l	98

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

