

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082018\
 Data File : VF060003.D
 Acq On : 20 Aug 2018 15:41
 Operator : VA/AP
 Sample : VF0820SBSD01
 Misc : 5.00µg/5mL/MSVOA F/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0820SBSD01

Manual Integrations
 APPROVED

apatel
 8/21/2018 10:01:39 AM

Quant Time: Aug 21 05:17:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 18 01:11:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	121758	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	162441	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	179549	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	125016	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.03	65	127482	54.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.48%	
35) Dibromofluoromethane	4.29	113	91963	55.39	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	110.78%	
50) Toluene-d8	7.71	98	205498	55.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.32%	
62) 4-Bromofluorobenzene	11.51	95	125010	55.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.36%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.95	85	51604	24.99	ug/l	97
3) Chloromethane	1.07	50	33027	33.67	ug/l	91
4) Vinyl Chloride	1.12	62	33947	27.53	ug/l	100
5) Bromomethane	1.31	94	29154	26.14	ug/l	98
6) Chloroethane	1.39	64	15050	23.50	ug/l	96
7) Trichlorofluoromethane	1.48	101	86867	24.54	ug/l	99
8) Diethyl Ether	1.70	74	13160	25.20	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	1.86	101	39776	23.97	ug/l	88
10) Methyl Iodide	1.93	142	51665	24.67	ug/l	97
11) Tert butyl alcohol	2.68	59	15849	115.71	ug/l #	92
12) 1,1-Dichloroethene	1.82	96	27753	24.25	ug/l	77
13) Acrolein	2.09	56	5619	84.84	ug/l	83
14) Allyl chloride	2.19	41	43540	22.42	ug/l	95
15) Acrylonitrile	3.07	53	26252	118.53	ug/l	97
16) Acetone	2.33	43	88846	131.07	ug/l #	92
17) Carbon Disulfide	1.84	76	93439	25.69	ug/l	96
18) Methyl Acetate	2.45	43	31955m	25.05	ug/l	
19) Methyl tert-butyl Ether	2.53	73	84755	22.50	ug/l	99
20) Methylene Chloride	2.27	84	35925	25.56	ug/l	98
21) trans-1,2-Dichloroethene	2.41	96	27395	22.30	ug/l	92
22) Diisopropyl ether	2.93	45	93576	22.53	ug/l	97
23) Vinyl Acetate	3.33	43	187692	112.25	ug/l	98
24) 1,1-Dichloroethane	3.00	63	63604	23.35	ug/l	98
25) 2-Butanone	4.50	43	64605	113.71	ug/l	99
26) 2,2-Dichloropropane	3.76	77	60140	24.93	ug/l	99
27) cis-1,2-Dichloroethene	3.64	96	23889	21.26	ug/l	94
28) Bromochloromethane	3.89	49	16896	21.62	ug/l	99
29) Tetrahydrofuran	4.25	42	21032	103.72	ug/l	95
30) Chloroform	4.04	83	69457	22.06	ug/l	100
31) Cyclohexane	3.86	56	25450	20.41	ug/l #	95
32) 1,1,1-Trichloroethane	4.28	97	73208	23.82	ug/l	99
36) 1,1-Dichloropropene	4.45	75	42087	22.75	ug/l #	92
37) Ethyl Acetate	4.29	43	24364	23.82	ug/l #	66
38) Carbon Tetrachloride	4.17	117	68886	25.96	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	33035	23.80	ug/l	97
40) Benzene	4.81	78	76444	24.41	ug/l	94
41) Methacrylonitrile	4.92	41	11647	23.79	ug/l	95
42) 1,2-Dichloroethane	5.11	62	64487	24.28	ug/l	99
43) Isopropyl Acetate	7.11	43	27066	24.05	ug/l #	84
44) Trichloroethene	5.68	130	28102	22.99	ug/l	91
45) 1,2-Dichloropropane	6.41	63	19686	21.97	ug/l	90
46) Dibromomethane	6.26	93	22041	24.95	ug/l	93
47) Bromodichloromethane	6.54	83	56463	23.67	ug/l	97
48) Methyl methacrylate	6.88	41	26218	31.29	ug/l #	86
49) 1,4-Dioxane	6.87	88	4035	574.66	ug/l #	88
51) 4-Methyl-2-Pentanone	8.41	43	130628	124.24	ug/l	92
52) Toluene	7.78	92	51601	22.02	ug/l	98
53) t-1,3-Dichloropropene	8.43	75	47161	23.44	ug/l	93
54) cis-1,3-Dichloropropene	7.46	75	48004	24.72	ug/l	99
55) 1,1,2-Trichloroethane	8.64	97	22658	24.10	ug/l	97
56) Ethyl methacrylate	8.76	69	26021	23.89	ug/l	98
57) 1,3-Dichloropropane	9.01	76	38442	22.94	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.79	63	12526	137.09	ug/l	100
59) 2-Hexanone	9.63	43	109500	126.13	ug/l	96
60) Dibromochloromethane	8.87	129	39695	23.10	ug/l	94
61) 1,2-Dibromoethane	9.14	107	27106	23.11	ug/l	96
64) Tetrachloroethene	8.31	164	29473	21.54	ug/l	97
65) Chlorobenzene	9.94	112	75626	21.34	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	36476	22.37	ug/l	93
67) Ethyl Benzene	10.04	91	147794	22.97	ug/l	100
68) m/p-Xylenes	10.27	106	102822	46.12	ug/l	93
69) o-Xylene	10.83	106	49987	21.87	ug/l	90
70) Styrene	10.90	104	85174	23.26	ug/l	97
71) Bromoform	10.89	173	27391	22.72	ug/l	100
73) Isopropylbenzene	11.23	105	170669	22.77	ug/l	98
74) N-amyl acetate	11.46	43	47480	22.32	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.79	83	32030	21.77	ug/l	99
76) 1,2,3-Trichloropropane	11.89	75	29121	22.34	ug/l	97
77) Bromobenzene	11.60	156	44009	21.05	ug/l	91
78) n-propylbenzene	11.69	91	205538	22.09	ug/l	98
79) 2-Chlorotoluene	11.82	91	129968	22.99	ug/l	100
80) 1,3,5-Trimethylbenzene	11.92	105	153041	22.59	ug/l	92
81) trans-1,4-Dichloro-2-buten	11.95	75	10749m	19.54	ug/l	
82) 4-Chlorotoluene	11.99	91	143017	23.12	ug/l	91
83) tert-Butylbenzene	12.22	119	160813	24.16	ug/l	93
84) 1,2,4-Trimethylbenzene	12.29	105	163079	22.86	ug/l	96
85) sec-Butylbenzene	12.39	105	196770	22.36	ug/l	96
86) p-Isopropyltoluene	12.54	119	179291	23.03	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	91058	22.82	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	92014	23.56	ug/l	96
89) n-Butylbenzene	12.92	91	178587	23.75	ug/l	95
90) Hexachloroethane	13.00	117	41157	23.47	ug/l	92
91) 1,2-Dichlorobenzene	13.02	146	87408	22.89	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.72	75	8988	22.09	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	70652	22.67	ug/l	97
94) Hexachlorobutadiene	14.26	225	46152	22.11	ug/l	92
95) Naphthalene	14.53	128	95750	21.83	ug/l #	96
96) 1,2,3-Trichlorobenzene	14.68	180	67488	22.46	ug/l	97

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

