

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082418\
 Data File : VF060097.D
 Acq On : 24 Aug 2018 13:56
 Operator : VA/AP
 Sample : VF0824SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0824SBS01

Manual Integrations
 APPROVED

apatel
 8/27/2018 3:22:02 PM

Quant Time: Aug 25 04:25:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 04:43:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	164734	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	261966	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.92	117	290977	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	172891	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	108779	48.25	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	96.50%	
35) Dibromofluoromethane	4.29	113	104527	50.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.62%	
50) Toluene-d8	7.71	98	281846	48.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.48%	
62) 4-Bromofluorobenzene	11.51	95	156014	50.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	54690	25.22	ug/l	92
3) Chloromethane	1.07	50	40474	27.05	ug/l	94
4) Vinyl Chloride	1.12	62	29407	21.84	ug/l	92
5) Bromomethane	1.31	94	22452	21.94	ug/l	95
6) Chloroethane	1.39	64	13244	24.95	ug/l	90
7) Trichlorofluoromethane	1.48	101	80339	29.67	ug/l	97
8) Diethyl Ether	1.70	74	9053	18.70	ug/l	79
9) 1,1,2-Trichlorotrifluoroet	1.86	101	37126	26.12	ug/l	98
10) Methyl Iodide	1.93	142	36829	19.60	ug/l	90
11) Tert butyl alcohol	2.66	59	9775	81.50	ug/l #	96
12) 1,1-Dichloroethene	1.83	96	24339	23.24	ug/l	88
13) Acrolein	2.08	56	3096	64.13	ug/l	87
14) Allyl chloride	2.19	41	41162	22.13	ug/l	89
15) Acrylonitrile	3.07	53	21536	90.99	ug/l	94
16) Acetone	2.33	43	67483	113.89	ug/l	100
17) Carbon Disulfide	1.84	76	78462	23.93	ug/l	100
18) Methyl Acetate	2.45	43	18180	15.09	ug/l	98
19) Methyl tert-butyl Ether	2.53	73	60741	18.10	ug/l	98
20) Methylene Chloride	2.28	84	27117	20.18	ug/l #	93
21) trans-1,2-Dichloroethene	2.41	96	25201	21.51	ug/l	98
22) Diisopropyl ether	2.92	45	76724	18.42	ug/l	96
23) Vinyl Acetate	3.33	43	221891	100.57	ug/l	97
24) 1,1-Dichloroethane	3.00	63	59572	23.16	ug/l	98
25) 2-Butanone	4.50	43	83239	108.15	ug/l	96
26) 2,2-Dichloropropane	3.76	77	64114	24.09	ug/l	87
27) cis-1,2-Dichloroethene	3.63	96	39441	23.75	ug/l	97
28) Bromochloromethane	3.88	49	25716	23.68	ug/l	90
29) Tetrahydrofuran	4.25	42	27678	95.25	ug/l	99
30) Chloroform	4.04	83	87466	24.22	ug/l	90
31) Cyclohexane	3.86	56	48713	24.85	ug/l	92
32) 1,1,1-Trichloroethane	4.27	97	79339	25.66	ug/l	97
36) 1,1-Dichloropropene	4.46	75	52362	21.27	ug/l	94
37) Ethyl Acetate	4.28	43	27311	18.55	ug/l #	78
38) Carbon Tetrachloride	4.17	117	69360	24.33	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	54768	23.73	ug/l	93
40) Benzene	4.81	78	122489	22.78	ug/l	94
41) Methacrylonitrile	4.91	41	13301	17.86	ug/l	90
42) 1,2-Dichloroethane	5.11	62	62328	21.61	ug/l	99
43) Isopropyl Acetate	7.11	43	28985	15.64	ug/l #	99
44) Trichloroethene	5.67	130	40487	22.77	ug/l	94
45) 1,2-Dichloropropane	6.40	63	32766	21.54	ug/l	92
46) Dibromomethane	6.25	93	25014	21.01	ug/l	97
47) Bromodichloromethane	6.55	83	65007	22.61	ug/l	96
48) Methyl methacrylate	6.87	41	21737	17.73	ug/l	92
49) 1,4-Dioxane	6.87	88	4356	370.05	ug/l	95
51) 4-Methyl-2-Pentanone	8.40	43	162545	101.58	ug/l	97
52) Toluene	7.78	92	92187	24.11	ug/l	94
53) t-1,3-Dichloropropene	8.42	75	56188	21.55	ug/l	96
54) cis-1,3-Dichloropropene	7.46	75	60988	20.96	ug/l	96
55) 1,1,2-Trichloroethane	8.64	97	31660	21.82	ug/l	95
56) Ethyl methacrylate	8.76	69	32288	18.38	ug/l	93
57) 1,3-Dichloropropane	8.99	76	50469	19.79	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.78	63	16206	116.24	ug/l	100
59) 2-Hexanone	9.62	43	124789	96.35	ug/l	99
60) Dibromochloromethane	8.87	129	43074	20.11	ug/l	96
61) 1,2-Dibromoethane	9.13	107	34833	20.44	ug/l	99
64) Tetrachloroethene	8.30	164	42361	21.61	ug/l	95
65) Chlorobenzene	9.94	112	126085	22.95	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.07	131	44159	21.19	ug/l	97
67) Ethyl Benzene	10.04	91	213841	22.56	ug/l	100
68) m/p-Xylenes	10.26	106	161984	47.25	ug/l	96
69) o-Xylene	10.83	106	82049	22.09	ug/l	95
70) Styrene	10.90	104	130653	22.93	ug/l	97
71) Bromoform	10.89	173	26608	18.30	ug/l	96
73) Isopropylbenzene	11.23	105	238725	22.94	ug/l	98
74) N-amyl acetate	11.46	43	57905	17.90	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	11.78	83	46921	20.64	ug/l	98
76) 1,2,3-Trichloropropane	11.88	75	37010	21.00	ug/l	96
77) Bromobenzene	11.60	156	60689	21.44	ug/l	96
78) n-propylbenzene	11.68	91	317044	24.68	ug/l	98
79) 2-Chlorotoluene	11.81	91	177740	23.53	ug/l	98
80) 1,3,5-Trimethylbenzene	11.91	105	210931	23.26	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	12445m	15.43	ug/l	
82) 4-Chlorotoluene	11.99	91	189172	23.07	ug/l	98
83) tert-Butylbenzene	12.22	119	217769	24.63	ug/l	96
84) 1,2,4-Trimethylbenzene	12.29	105	215432	22.35	ug/l	98
85) sec-Butylbenzene	12.38	105	292148	23.73	ug/l	98
86) p-Isopropyltoluene	12.54	119	250812	24.56	ug/l	95
87) 1,3-Dichlorobenzene	12.55	146	124255	23.74	ug/l	100
88) 1,4-Dichlorobenzene	12.64	146	114434	22.00	ug/l	97
89) n-Butylbenzene	12.92	91	248184	25.01	ug/l	98
90) Hexachloroethane	13.00	117	55096	24.01	ug/l	88
91) 1,2-Dichlorobenzene	13.02	146	111869	22.23	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	7791	16.77	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	77491	20.91	ug/l	99
94) Hexachlorobutadiene	14.26	225	53571	23.22	ug/l	93
95) Naphthalene	14.52	128	90954	15.78	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	68391	19.34	ug/l	96

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

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