

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062018\
 Data File : VF059250.D
 Acq On : 21 Jun 2018 4:24
 Operator : VA/AP
 Sample : VF0620SBSD02
 Misc : 5.20g/5mL/MSVOA-F/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0620SBSD02

Manual Integrations
 APPROVED

apatel
 6/21/2018 9:46:40 AM

Quant Time: Jun 21 08:02:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 10:52:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	222859	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	357019	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.92	117	363997	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.63	152	229557	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	176605	65.34	ug/l	0.01
Spiked Amount	50.000		Recovery	=	130.68%	
35) Dibromofluoromethane	4.30	113	157292	62.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	125.58%	
50) Toluene-d8	7.72	98	382814	52.02	ug/l	0.01
Spiked Amount	50.000		Recovery	=	104.04%	
62) 4-Bromofluorobenzene	11.51	95	215110	56.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	56941	22.57	ug/l	96
3) Chloromethane	1.08	50	33435	17.11	ug/l	98
4) Vinyl Chloride	1.14	62	35699	20.25	ug/l	95
5) Bromomethane	1.34	94	22287	21.70	ug/l	93
6) Chloroethane	1.43	64	15642	21.39	ug/l #	83
7) Trichlorofluoromethane	1.49	101	65087m	23.75	ug/l	
8) Diethyl Ether	1.70	74	14650	21.25	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	1.90	101	41219	23.60	ug/l	98
10) Methyl Iodide	1.97	142	65953	21.58	ug/l	91
11) Tert butyl alcohol	2.69	59	20168	116.46	ug/l	98
12) 1,1-Dichloroethene	1.86	96	32887	22.40	ug/l	98
13) Acrolein	2.09	56	9427	62.89	ug/l	96
14) Allyl chloride	2.19	41	59718	20.72	ug/l	89
15) Acrylonitrile	3.08	53	47884	139.22	ug/l	98
16) Acetone	2.34	43	66757	103.45	ug/l #	91
17) Carbon Disulfide	1.87	76	75385	18.28	ug/l	96
18) Methyl Acetate	2.45	43	28738	25.90	ug/l #	88
19) Methyl tert-butyl Ether	2.54	73	118673	26.03	ug/l	99
20) Methylene Chloride	2.28	84	36862m	23.86	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	32660	20.28	ug/l	83
22) Diisopropyl ether	2.93	45	130550	23.04	ug/l	94
23) Vinyl Acetate	3.34	43	441204	118.11	ug/l	99
24) 1,1-Dichloroethane	3.00	63	85948	25.02	ug/l	99
25) 2-Butanone	4.51	43	96781	96.74	ug/l	93
26) 2,2-Dichloropropane	3.76	77	51001	20.47	ug/l	99
27) cis-1,2-Dichloroethene	3.64	96	53943	21.76	ug/l	92
28) Bromochloromethane	3.89	49	40545	26.23	ug/l #	94
29) Tetrahydrofuran	4.26	42	49607	112.53	ug/l	98
30) Chloroform	4.04	83	123073	25.05	ug/l	98
31) Cyclohexane	3.86	56	57316	19.10	ug/l	94
32) 1,1,1-Trichloroethane	4.28	97	91294	24.89	ug/l	95
36) 1,1-Dichloropropene	4.46	75	74089	21.41	ug/l	94
37) Ethyl Acetate	4.30	43	54078	25.29	ug/l #	91
38) Carbon Tetrachloride	4.17	117	100681	26.84	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	71602	20.30	ug/l	89
40) Benzene	4.81	78	168304	20.95	ug/l	99
41) Methacrylonitrile	4.92	41	25589	24.36	ug/l #	89
42) 1,2-Dichloroethane	5.12	62	103409	28.70	ug/l	97
43) Isopropyl Acetate	7.11	43	60539	21.14	ug/l #	98
44) Trichloroethene	5.68	130	58847	23.45	ug/l	95
45) 1,2-Dichloropropane	6.41	63	48681	21.02	ug/l	98
46) Dibromomethane	6.26	93	41749	23.96	ug/l	88
47) Bromodichloromethane	6.55	83	96945	24.46	ug/l	95
48) Methyl methacrylate	6.87	41	40078	22.70	ug/l	89
49) 1,4-Dioxane	6.87	88	4312	320.27	ug/l	91
51) 4-Methyl-2-Pentanone	8.41	43	236995	120.75	ug/l	99
52) Toluene	7.79	92	119440	20.64	ug/l	99
53) t-1,3-Dichloropropene	8.43	75	88658	23.09	ug/l	92
54) cis-1,3-Dichloropropene	7.46	75	90748	20.58	ug/l	94
55) 1,1,2-Trichloroethane	8.64	97	48971	23.36	ug/l	98
56) Ethyl methacrylate	8.76	69	56428	21.35	ug/l	92
57) 1,3-Dichloropropane	9.01	76	80458	22.43	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.78	63	21811	115.43	ug/l	100
59) 2-Hexanone	9.64	43	180626	116.34	ug/l	92
60) Dibromochloromethane	8.87	129	73281	24.32	ug/l	96
61) 1,2-Dibromoethane	9.14	107	58773	24.13	ug/l	94
64) Tetrachloroethene	8.31	164	63914	23.94	ug/l	93
65) Chlorobenzene	9.94	112	157754	21.89	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	67328	23.48	ug/l	93
67) Ethyl Benzene	10.04	91	268506	21.44	ug/l	98
68) m/p-Xylenes	10.27	106	195506	41.69	ug/l	91
69) o-Xylene	10.83	106	108960	21.50	ug/l	99
70) Styrene	10.90	104	159931	20.86	ug/l	95
71) Bromoform	10.89	173	47196	24.24	ug/l #	95
73) Isopropylbenzene	11.23	105	325728	20.49	ug/l	97
74) N-amyl acetate	11.46	43	114699	20.20	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.79	83	83387	22.13	ug/l	100
76) 1,2,3-Trichloropropane	11.89	75	63325	22.76	ug/l	92
77) Bromobenzene	11.60	156	86422	21.61	ug/l	80
78) n-propylbenzene	11.69	91	378619	20.13	ug/l	97
79) 2-Chlorotoluene	11.82	91	227587	20.48	ug/l	100
80) 1,3,5-Trimethylbenzene	11.92	105	288596	21.94	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.96	75	33304	18.46	ug/l	97
82) 4-Chlorotoluene	11.99	91	251957	21.30	ug/l	95
83) tert-Butylbenzene	12.22	119	283789	21.73	ug/l	98
84) 1,2,4-Trimethylbenzene	12.29	105	294227	21.59	ug/l	94
85) sec-Butylbenzene	12.39	105	387805	21.85	ug/l	98
86) p-Isopropyltoluene	12.54	119	322553	22.13	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	162122	21.95	ug/l	99
88) 1,4-Dichlorobenzene	12.64	146	152440	21.42	ug/l	98
89) n-Butylbenzene	12.92	91	323763	19.47	ug/l	95
90) Hexachloroethane	13.00	117	76931	21.43	ug/l	72
91) 1,2-Dichlorobenzene	13.02	146	161420	22.69	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.72	75	16132	21.83	ug/l	72

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	110431	22.19	ug/l	97
94) Hexachlorobutadiene	14.26	225	64240	22.31	ug/l	93
95) Naphthalene	14.53	128	233684	21.99	ug/l	98
96) 1,2,3-Trichlorobenzene	14.68	180	105805	23.01	ug/l	97

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

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