

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110718\
 Data File : VF060625.D
 Acq On : 7 Nov 2018 12:06
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 11/8/2018 10:28:30 AM

Quant Time: Nov 07 15:00:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 03 05:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	245468	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.61	114	424585	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.78	117	377168	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	198115	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.85	65	139598	56.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.58%	
35) Dibromofluoromethane	4.12	113	181132	55.22	ug/l	0.01
Spiked Amount	50.000		Recovery	=	110.44%	
50) Toluene-d8	7.56	98	502786	51.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.48%	
62) 4-Bromofluorobenzene	11.42	95	225605	53.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	146712	57.827	ug/l	98
3) Chloromethane	1.09	50	114637	53.361	ug/l	99
4) Vinyl Chloride	1.14	62	102866	51.962	ug/l #	85
5) Bromomethane	1.32	94	60458	54.408	ug/l	97
6) Chloroethane	1.38	64	40102	56.680	ug/l	90
7) Trichlorofluoromethane	1.49	101	217992	58.835	ug/l	95
8) Diethyl Ether	1.63	74	32529	47.369	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	1.82	101	110053	51.979	ug/l	95
10) Methyl Iodide	1.89	142	180594m	51.832	ug/l	
11) Tert butyl alcohol	2.57	59	29157	223.770	ug/l #	82
12) 1,1-Dichloroethene	1.78	96	87085	48.835	ug/l	80
13) Acrolein	2.00	56	17602	211.147	ug/l	92
14) Allyl chloride	2.10	41	155303	53.336	ug/l	95
15) Acrylonitrile	2.95	53	65047	220.066	ug/l	98
16) Acetone	2.24	43	152117	260.289	ug/l	97
17) Carbon Disulfide	1.82	76	257614	51.285	ug/l	99
18) Methyl Acetate	2.34	43	45181	49.773	ug/l	93
19) Methyl tert-butyl Ether	2.43	73	217103	52.080	ug/l	98
20) Methylene Chloride	2.19	84	91624m	53.230	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	97955	52.359	ug/l	97
22) Diisopropyl ether	2.80	45	322615	52.294	ug/l	98
23) Vinyl Acetate	3.19	43	895577	241.614	ug/l	99
24) 1,1-Dichloroethane	2.88	63	188549	52.810	ug/l	97
25) 2-Butanone	4.34	43	311802	288.620	ug/l	99
26) 2,2-Dichloropropane	3.60	77	153274	57.374	ug/l	97
27) cis-1,2-Dichloroethene	3.48	96	193614	54.212	ug/l	97
28) Bromochloromethane	3.72	49	123047	54.917	ug/l	92
29) Tetrahydrofuran	4.08	42	113942	264.131	ug/l	98
30) Chloroform	3.86	83	316412	56.016	ug/l	97
31) Cyclohexane	3.69	56	254397	51.633	ug/l	91
32) 1,1,1-Trichloroethane	4.10	97	244663m	62.016	ug/l	
36) 1,1-Dichloropropene	4.29	75	263105	56.280	ug/l	99
37) Ethyl Acetate	4.11	43	100043	44.579	ug/l #	70
38) Carbon Tetrachloride	3.99	117	211782	53.015	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	301322	52.817	ug/l	96
40) Benzene	4.63	78	605752	53.380	ug/l	99
41) Methacrylonitrile	4.75	41	62029	48.808	ug/l	93
42) 1,2-Dichloroethane	4.95	62	175561	53.904	ug/l	99
43) Isopropyl Acetate	6.96	43	136745	48.172	ug/l #	97
44) Trichloroethene	5.51	130	170913	50.115	ug/l	98
45) 1,2-Dichloropropane	6.24	63	159028	54.795	ug/l	98
46) Dibromomethane	6.09	93	99471	54.025	ug/l	93
47) Bromodichloromethane	6.39	83	235328	52.990	ug/l	99
48) Methyl methacrylate	6.72	41	82161	46.052	ug/l	97
49) 1,4-Dioxane	6.71	88	15922	853.128	ug/l #	84
51) 4-Methyl-2-Pentanone	8.26	43	466967	244.625	ug/l	96
52) Toluene	7.63	92	359252	48.600	ug/l	100
53) t-1,3-Dichloropropene	8.28	75	183676	47.587	ug/l	98
54) cis-1,3-Dichloropropene	7.31	75	247964	50.846	ug/l	98
55) 1,1,2-Trichloroethane	8.50	97	110022	51.148	ug/l	96
56) Ethyl methacrylate	8.63	69	135454	48.943	ug/l	98
57) 1,3-Dichloropropane	8.86	76	179638	47.594	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.63	63	46486	263.739	ug/l	100
59) 2-Hexanone	9.50	43	355118	284.481	ug/l	98
60) Dibromochloromethane	8.73	129	148972	49.520	ug/l	97
61) 1,2-Dibromoethane	8.99	107	116652	51.568	ug/l	97
64) Tetrachloroethene	8.16	164	148303	50.172	ug/l	96
65) Chlorobenzene	9.80	112	397893	51.587	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.94	131	172901	53.052	ug/l	96
67) Ethyl Benzene	9.91	91	723034	51.657	ug/l	99
68) m/p-Xylenes	10.14	106	525016	99.577	ug/l	98
69) o-Xylene	10.72	106	305574	53.077	ug/l	98
70) Styrene	10.80	104	403953	48.432	ug/l	97
71) Bromoform	10.78	173	82176	48.820	ug/l	95
73) Isopropylbenzene	11.13	105	845140	54.699	ug/l	100
74) N-amyl acetate	11.38	43	228273	58.930	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.70	83	147269	52.220	ug/l	96
76) 1,2,3-Trichloropropane	11.87	75	69130	49.878	ug/l	100
77) Bromobenzene	11.50	156	175435	51.892	ug/l	96
78) n-propylbenzene	11.60	91	968576	53.580	ug/l	98
79) 2-Chlorotoluene	11.72	91	553735	53.637	ug/l	99
80) 1,3,5-Trimethylbenzene	11.83	105	650711	51.095	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.87	75	52827m	48.499	ug/l	
82) 4-Chlorotoluene	11.90	91	548006	50.878	ug/l	99
83) tert-Butylbenzene	12.14	119	704216	54.127	ug/l	99
84) 1,2,4-Trimethylbenzene	12.21	105	660376	52.950	ug/l	99
85) sec-Butylbenzene	12.32	105	924621	51.662	ug/l	97
86) p-Isopropyltoluene	12.46	119	768486	52.141	ug/l	100
87) 1,3-Dichlorobenzene	12.48	146	333982	50.331	ug/l	98
88) 1,4-Dichlorobenzene	12.57	146	334444	53.137	ug/l	98
89) n-Butylbenzene	12.85	91	787350	56.504	ug/l	100
90) Hexachloroethane	12.92	117	205366	54.792	ug/l	73
91) 1,2-Dichlorobenzene	12.95	146	315119	50.760	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.65	75	25715	52.483	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	227895	54.035	ug/l	98
94) Hexachlorobutadiene	14.19	225	150667	55.131	ug/l	96
95) Naphthalene	14.46	128	456997	54.138	ug/l	98
96) 1,2,3-Trichlorobenzene	14.60	180	214571	53.858	ug/l	97

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

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