

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032219\
 Data File : VF062091.D
 Acq On : 22 Mar 2019 19:46
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/27/2019 11:57:21 AM

Quant Time: Mar 23 05:43:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 01:16:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.90	168	239041	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.62	114	386645	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.80	117	339870	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.57	152	170757	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.87	65	92324	51.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.86%	
35) Dibromofluoromethane	4.14	113	132153	50.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.06%	
50) Toluene-d8	7.59	98	413369	52.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.90%	
62) 4-Bromofluorobenzene	11.43	95	156136	51.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.60%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.97	85	167473	54.689	ug/l	97
3) Chloromethane	1.11	50	175280	54.702	ug/l	100
4) Vinyl Chloride	1.15	62	165733	55.918	ug/l	99
5) Bromomethane	1.34	94	120798	56.698	ug/l	92
6) Chloroethane	1.40	64	86359	57.881	ug/l	98
7) Trichlorofluoromethane	1.50	101	211148	58.987	ug/l	96
8) Diethyl Ether	1.65	74	45309	55.412	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	1.85	101	141948	58.127	ug/l	100
10) Methyl Iodide	1.93	142	266334m	57.392	ug/l	
11) Tert butyl alcohol	2.60	59	26555	271.442	ug/l	97
12) 1,1-Dichloroethene	1.81	96	129419	56.167	ug/l	97
13) Acrolein	2.02	56	29162	247.892	ug/l	84
14) Allyl chloride	2.11	41	154941	62.983	ug/l	98
15) Acrylonitrile	2.97	53	96615	280.846	ug/l	92
16) Acetone	2.25	43	99972	267.155	ug/l	96
17) Carbon Disulfide	1.85	76	404982	57.638	ug/l #	94
18) Methyl Acetate	2.37	43	42771	47.915	ug/l	98
19) Methyl tert-butyl Ether	2.45	73	216734	59.514	ug/l	96
20) Methylene Chloride	2.20	84	128415m	57.560	ug/l	
21) trans-1,2-Dichloroethene	2.33	96	134056	60.468	ug/l	93
22) Diisopropyl ether	2.82	45	379742	58.876	ug/l	97
23) Vinyl Acetate	3.22	43	789682	299.035	ug/l	99
24) 1,1-Dichloroethane	2.89	63	227597	58.843	ug/l	99
25) 2-Butanone	4.37	43	219899	281.485	ug/l	96
26) 2,2-Dichloropropane	3.62	77	89519	57.082	ug/l	96
27) cis-1,2-Dichloroethene	3.50	96	165983	56.499	ug/l	97
28) Bromochloromethane	3.75	49	89151	56.413	ug/l	98
29) Tetrahydrofuran	4.11	42	94573	278.435	ug/l	100
30) Chloroform	3.89	83	237753	58.164	ug/l	97
31) Cyclohexane	3.72	56	225434	55.805	ug/l	93
32) 1,1,1-Trichloroethane	4.12	97	166405	66.922	ug/l	94
36) 1,1-Dichloropropene	4.31	75	197475	53.621	ug/l	98
37) Ethyl Acetate	4.14	43	88867	55.215	ug/l	97
38) Carbon Tetrachloride	4.03	117	146811	58.489	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.49	83	237920	55.663	ug/l	96
40) Benzene	4.67	78	527617	53.441	ug/l	100
41) Methacrylonitrile	4.78	41	45780	53.758	ug/l	91
42) 1,2-Dichloroethane	4.97	62	126852	54.334	ug/l	96
43) Isopropyl Acetate	6.98	43	103632	53.167	ug/l #	98
44) Trichloroethene	5.53	130	158673	52.568	ug/l	96
45) 1,2-Dichloropropane	6.26	63	131369	55.788	ug/l	98
46) Dibromomethane	6.12	93	80509	55.918	ug/l	86
47) Bromodichloromethane	6.41	83	177748	55.736	ug/l	96
48) Methyl methacrylate	6.75	41	65370	58.902	ug/l	97
49) 1,4-Dioxane	6.74	88	10784	1107.397	ug/l	93
51) 4-Methyl-2-Pentanone	8.29	43	360359	276.222	ug/l	97
52) Toluene	7.65	92	317843	55.582	ug/l	99
53) t-1,3-Dichloropropene	8.31	75	140851	56.261	ug/l	95
54) cis-1,3-Dichloropropene	7.33	75	203964	56.940	ug/l	97
55) 1,1,2-Trichloroethane	8.52	97	89742	55.250	ug/l	96
56) Ethyl methacrylate	8.65	69	109487	56.520	ug/l	94
57) 1,3-Dichloropropane	8.88	76	150244	55.732	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.32	63	79902	271.824	ug/l	99
59) 2-Hexanone	9.52	43	250313	261.792	ug/l	98
60) Dibromochloromethane	8.74	129	128529	56.920	ug/l	98
61) 1,2-Dibromoethane	9.02	107	102437	59.112	ug/l	100
64) Tetrachloroethene	8.19	164	136444	51.963	ug/l	92
65) Chlorobenzene	9.82	112	350325	55.089	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.96	131	136375	53.388	ug/l	98
67) Ethyl Benzene	9.93	91	603241	54.546	ug/l	98
68) m/p-Xylenes	10.16	106	450757	109.050	ug/l	99
69) o-Xylene	10.74	106	237879	54.947	ug/l	95
70) Styrene	10.81	104	368933	56.245	ug/l	98
71) Bromoform	10.80	173	71124	54.437	ug/l #	95
73) Isopropylbenzene	11.15	105	681232	56.696	ug/l	98
74) N-amyl acetate	11.39	43	161499	56.409	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.72	83	114421	55.461	ug/l	96
76) 1,2,3-Trichloropropane	11.82	75	79655	54.862	ug/l	96
77) Bromobenzene	11.52	156	160834	54.788	ug/l	98
78) n-propylbenzene	11.62	91	774440	55.506	ug/l	96
79) 2-Chlorotoluene	11.74	91	435892	56.208	ug/l	96
80) 1,3,5-Trimethylbenzene	11.85	105	545535	55.198	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.89	75	31605m	53.421	ug/l	
82) 4-Chlorotoluene	11.91	91	442113	55.602	ug/l	100
83) tert-Butylbenzene	12.15	119	569670	55.062	ug/l	99
84) 1,2,4-Trimethylbenzene	12.22	105	553561	57.134	ug/l	97
85) sec-Butylbenzene	12.33	105	754383	56.364	ug/l	97
86) p-Isopropyltoluene	12.48	119	657108	56.668	ug/l	98
87) 1,3-Dichlorobenzene	12.50	146	305741	56.058	ug/l	98
88) 1,4-Dichlorobenzene	12.59	146	293367	55.124	ug/l	98
89) n-Butylbenzene	12.86	91	601934	54.410	ug/l	99
90) Hexachloroethane	12.94	117	147475	53.412	ug/l	77
91) 1,2-Dichlorobenzene	12.96	146	274368	53.575	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.66	75	18128	57.991	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	196970	55.186	ug/l	98
94) Hexachlorobutadiene	14.20	225	131453	55.391	ug/l	97
95) Naphthalene	14.48	128	359467	57.471	ug/l	100
96) 1,2,3-Trichlorobenzene	14.62	180	189391	56.687	ug/l	96

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

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