

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032619\
 Data File : VF062142.D
 Acq On : 26 Mar 2019 13:05
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/27/2019 12:01:39 PM

Quant Time: Mar 27 09:48:24 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	4.85	168	265007	50.00	ug/l	-0.06
34) 1,4-Difluorobenzene	5.58	114	414300	50.00	ug/l	-0.05
63) Chlorobenzene-d5	9.75	117	343118	50.00	ug/l	-0.06
72) 1,4-Dichlorobenzene-d4	12.54	152	180677	50.00	ug/l	-0.03

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.82	65	96907	49.16	ug/l	-0.06
Spiked Amount	50.000		Recovery	=	98.32%	
35) Dibromofluoromethane	4.10	113	135880	48.48	ug/l	-0.05
Spiked Amount	50.000		Recovery	=	96.96%	
50) Toluene-d8	7.53	98	407784	48.74	ug/l	-0.06
Spiked Amount	50.000		Recovery	=	97.48%	
62) 4-Bromofluorobenzene	11.40	95	157370	48.73	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	97.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	159804	47.071	ug/l	96
3) Chloromethane	1.09	50	168781	47.513	ug/l	100
4) Vinyl Chloride	1.14	62	157279	47.866	ug/l	99
5) Bromomethane	1.31	94	110791	46.906	ug/l	92
6) Chloroethane	1.39	64	83797	50.661	ug/l	100
7) Trichlorofluoromethane	1.48	101	207713	52.342	ug/l	96
8) Diethyl Ether	1.62	74	41273	45.531	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.83	101	134126	49.542	ug/l	95
10) Methyl Iodide	1.90	142	265136m	51.535	ug/l	
11) Tert butyl alcohol	2.56	59	25998	239.710	ug/l #	85
12) 1,1-Dichloroethene	1.79	96	128579	50.335	ug/l	93
13) Acrolein	2.00	56	35247	270.261	ug/l	89
14) Allyl chloride	2.09	41	153256	56.194	ug/l	97
15) Acrylonitrile	2.92	53	86226	226.088	ug/l	99
16) Acetone	2.22	43	119213	287.358	ug/l	96
17) Carbon Disulfide	1.81	76	389781	50.039	ug/l	100
18) Methyl Acetate	2.33	43	47358	47.856	ug/l	97
19) Methyl tert-butyl Ether	2.41	73	193804	48.003	ug/l	98
20) Methylene Chloride	2.17	84	128172m	51.480	ug/l	
21) trans-1,2-Dichloroethene	2.29	96	127644	51.934	ug/l	94
22) Diisopropyl ether	2.79	45	358051	50.074	ug/l	98
23) Vinyl Acetate	3.17	43	744249	254.216	ug/l	97
24) 1,1-Dichloroethane	2.86	63	215286	50.206	ug/l	100
25) 2-Butanone	4.32	43	220703	254.832	ug/l	97
26) 2,2-Dichloropropane	3.58	77	92814	53.385	ug/l	97
27) cis-1,2-Dichloroethene	3.46	96	156029	47.907	ug/l	98
28) Bromochloromethane	3.70	49	90733	51.789	ug/l	97
29) Tetrahydrofuran	4.05	42	83481	221.697	ug/l	98
30) Chloroform	3.84	83	228669	50.460	ug/l	95
31) Cyclohexane	3.67	56	214890	47.983	ug/l	99
32) 1,1,1-Trichloroethane	4.08	97	135867	49.287	ug/l	99
36) 1,1-Dichloropropene	4.26	75	189530	48.028	ug/l	98
37) Ethyl Acetate	4.09	43	77739	45.076	ug/l	92
38) Carbon Tetrachloride	3.97	117	139832	51.990	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	215969	47.155	ug/l	95
40) Benzene	4.61	78	504159	47.657	ug/l	98
41) Methacrylonitrile	4.73	41	39924	43.752	ug/l	95
42) 1,2-Dichloroethane	4.92	62	126916	50.732	ug/l	96
43) Isopropyl Acetate	6.94	43	95002	45.486	ug/l	97
44) Trichloroethene	5.48	130	153944	47.596	ug/l	99
45) 1,2-Dichloropropane	6.22	63	126256	50.038	ug/l	90
46) Dibromomethane	6.07	93	73028	47.336	ug/l	96
47) Bromodichloromethane	6.37	83	162695	47.610	ug/l	99
48) Methyl methacrylate	6.69	41	54656	45.961	ug/l	97
49) 1,4-Dioxane	6.68	88	10370	993.802	ug/l	96
51) 4-Methyl-2-Pentanone	8.24	43	333417	238.510	ug/l	99
52) Toluene	7.60	92	305901	49.923	ug/l	97
53) t-1,3-Dichloropropene	8.26	75	139229	51.901	ug/l	93
54) cis-1,3-Dichloropropene	7.28	75	188214	49.036	ug/l	96
55) 1,1,2-Trichloroethane	8.47	97	82966	47.669	ug/l	96
56) Ethyl methacrylate	8.60	69	96546	46.512	ug/l	96
57) 1,3-Dichloropropane	8.83	76	144340	49.968	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.27	63	79202	251.457	ug/l	94
59) 2-Hexanone	9.47	43	234231	228.620	ug/l	98
60) Dibromochloromethane	8.69	129	125313	51.792	ug/l	97
61) 1,2-Dibromoethane	8.97	107	91542	49.299	ug/l	98
64) Tetrachloroethene	8.13	164	132855	50.118	ug/l	94
65) Chlorobenzene	9.78	112	323261	50.352	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.91	131	131895	51.146	ug/l	99
67) Ethyl Benzene	9.88	91	566454	50.735	ug/l	98
68) m/p-Xylenes	10.11	106	417203	99.977	ug/l	97
69) o-Xylene	10.70	106	223376	51.109	ug/l	98
70) Styrene	10.77	104	325727	49.188	ug/l	98
71) Bromoform	10.75	173	64781	49.113	ug/l	99
73) Isopropylbenzene	11.11	105	618725	48.666	ug/l	100
74) N-amyl acetate	11.36	43	147916	48.828	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.68	83	106517	48.795	ug/l	99
76) 1,2,3-Trichloropropane	11.78	75	71731m	46.692	ug/l	
77) Bromobenzene	11.48	156	148759	47.892	ug/l	96
78) n-propylbenzene	11.58	91	723033	48.977	ug/l	96
79) 2-Chlorotoluene	11.70	91	402138	49.008	ug/l	95
80) 1,3,5-Trimethylbenzene	11.81	105	525960	50.295	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.86	75	28560m	45.623	ug/l	
82) 4-Chlorotoluene	11.88	91	405127	48.153	ug/l	98
83) tert-Butylbenzene	12.12	119	570760	52.138	ug/l	99
84) 1,2,4-Trimethylbenzene	12.19	105	516459	50.378	ug/l	100
85) sec-Butylbenzene	12.29	105	710842	50.195	ug/l	98
86) p-Isopropyltoluene	12.44	119	629468	51.304	ug/l	96
87) 1,3-Dichlorobenzene	12.46	146	285908	49.544	ug/l	94
88) 1,4-Dichlorobenzene	12.55	146	277279	49.240	ug/l	98
89) n-Butylbenzene	12.84	91	580962	49.631	ug/l	98
90) Hexachloroethane	12.90	117	153947	52.695	ug/l	83
91) 1,2-Dichlorobenzene	12.92	146	266133	49.113	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.63	75	16294	49.263	ug/l	81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	190702	50.496	ug/l	98
94) Hexachlorobutadiene	14.18	225	131994	52.565	ug/l	96
95) Naphthalene	14.44	128	328419	49.624	ug/l	100
96) 1,2,3-Trichlorobenzene	14.59	180	178518	50.499	ug/l	99

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

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