

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031619\
 Data File : VF061987.D
 Acq On : 16 Mar 2019 21:21
 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
 3/22/2019 6:19:37 PM

Quant Time: Mar 22 03:38:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 03:22:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	237331	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.59	114	365684	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.77	117	324275	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	166182	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.83	65	78300	45.83	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	91.66%	
35) Dibromofluoromethane	4.09	113	109556	44.61	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	89.22%	
50) Toluene-d8	7.54	98	308336	42.95	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	85.90%	
62) 4-Bromofluorobenzene	11.41	95	118114	41.42	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	82.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.94	85	117627	46.492	ug/l	92
3) Chloromethane	1.07	50	122006	47.453	ug/l	93
4) Vinyl Chloride	1.12	62	121324	48.791	ug/l	94
5) Bromomethane	1.31	94	88244	50.516	ug/l	100
6) Chloroethane	1.37	64	62254	48.496	ug/l	97
7) Trichlorofluoromethane	1.47	101	170206	51.666	ug/l	93
8) Diethyl Ether	1.61	74	38489	52.555	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	1.81	101	109998	47.391	ug/l	98
10) Methyl Iodide	1.88	142	212631m	52.328	ug/l	
11) Tert butyl alcohol	2.55	59	24228	231.761	ug/l	95
12) 1,1-Dichloroethene	1.77	96	94469	47.162	ug/l	94
13) Acrolein	1.98	56	25342	224.559	ug/l	91
14) Allyl chloride	2.08	41	130316	50.966	ug/l	93
15) Acrylonitrile	2.92	53	75279	236.803	ug/l	90
16) Acetone	2.22	43	81857	213.376	ug/l	95
17) Carbon Disulfide	1.81	76	281321	48.585	ug/l #	93
18) Methyl Acetate	2.32	43	45469	52.302	ug/l	92
19) Methyl tert-butyl Ether	2.41	73	174023	47.945	ug/l	98
20) Methylene Chloride	2.17	84	99175m	49.548	ug/l	
21) trans-1,2-Dichloroethene	2.29	96	100426	48.043	ug/l	98
22) Diisopropyl ether	2.78	45	283541	46.102	ug/l	98
23) Vinyl Acetate	3.17	43	643393	265.372	ug/l	100
24) 1,1-Dichloroethane	2.86	63	174004	48.657	ug/l	99
25) 2-Butanone	4.32	43	179332	236.037	ug/l #	90
26) 2,2-Dichloropropane	3.58	77	76702	45.472	ug/l	99
27) cis-1,2-Dichloroethene	3.46	96	132223	50.186	ug/l	96
28) Bromochloromethane	3.69	49	70844	47.743	ug/l	96
29) Tetrahydrofuran	4.06	42	76863	232.624	ug/l	96
30) Chloroform	3.84	83	204599	50.495	ug/l	91
31) Cyclohexane	3.67	56	173021	48.975	ug/l	96
32) 1,1,1-Trichloroethane	4.07	97	145873	54.210	ug/l	96
36) 1,1-Dichloropropene	4.26	75	164211	49.726	ug/l	99
37) Ethyl Acetate	4.10	43	66045	44.542	ug/l #	95
38) Carbon Tetrachloride	3.97	117	125432	51.973	ug/l	95

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39) Methylcyclohexane	5.44	83	187696	48.415	ug/l	92
40) Benzene	4.61	78	430098	49.152	ug/l	96
41) Methacrylonitrile	4.72	41	38807	48.986	ug/l #	88
42) 1,2-Dichloroethane	4.93	62	109014	50.046	ug/l	95
43) Isopropyl Acetate	6.95	43	87519	49.887	ug/l #	93
44) Trichloroethene	5.49	130	125188	46.703	ug/l	93
45) 1,2-Dichloropropane	6.22	63	100528	48.545	ug/l	92
46) Dibromomethane	6.07	93	65373	53.067	ug/l	97
47) Bromodichloromethane	6.38	83	147616	50.827	ug/l #	96
48) Methyl methacrylate	6.70	41	54958	48.471	ug/l #	93
49) 1,4-Dioxane	6.69	88	9278	919.945	ug/l #	79
51) 4-Methyl-2-Pentanone	8.25	43	303143	243.335	ug/l	97
52) Toluene	7.62	92	260605	48.744	ug/l	99
53) t-1,3-Dichloropropene	8.27	75	123353	50.309	ug/l	99
54) cis-1,3-Dichloropropene	7.29	75	167007	52.201	ug/l	98
55) 1,1,2-Trichloroethane	8.48	97	73927	49.543	ug/l	98
56) Ethyl methacrylate	8.61	69	86185	50.809	ug/l	99
57) 1,3-Dichloropropane	8.84	76	120706	48.493	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.28	63	74428	242.247	ug/l	90
59) 2-Hexanone	9.48	43	202025	224.078	ug/l	100
60) Dibromochloromethane	8.70	129	111667	53.905	ug/l	100
61) 1,2-Dibromoethane	8.98	107	83014	51.864	ug/l	100
64) Tetrachloroethene	8.14	164	115275	48.905	ug/l	98
65) Chlorobenzene	9.79	112	301391	49.921	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.92	131	120237	51.378	ug/l	91
67) Ethyl Benzene	9.90	91	503745	48.730	ug/l	99
68) m/p-Xylenes	10.12	106	367211	94.448	ug/l	94
69) o-Xylene	10.71	106	198570	47.730	ug/l	94
70) Styrene	10.78	104	276769	48.020	ug/l	97
71) Bromoform	10.76	173	61204	51.705	ug/l	98
73) Isopropylbenzene	11.12	105	561204	48.882	ug/l	97
74) N-amyl acetate	11.37	43	130965	49.784	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.69	83	97616	51.511	ug/l	93
76) 1,2,3-Trichloropropane	11.79	75	63163	47.666	ug/l	98
77) Bromobenzene	11.49	156	134905	50.740	ug/l	95
78) n-propylbenzene	11.59	91	648905	49.155	ug/l	99
79) 2-Chlorotoluene	11.71	91	368369	49.435	ug/l	95
80) 1,3,5-Trimethylbenzene	11.82	105	465820	50.228	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.87	75	28697m	48.952	ug/l	
82) 4-Chlorotoluene	11.90	91	360595	47.853	ug/l	96
83) tert-Butylbenzene	12.13	119	493080	50.838	ug/l	99
84) 1,2,4-Trimethylbenzene	12.20	105	437729	47.122	ug/l	99
85) sec-Butylbenzene	12.30	105	614637	46.904	ug/l	98
86) p-Isopropyltoluene	12.45	119	538958	49.289	ug/l	95
87) 1,3-Dichlorobenzene	12.47	146	253828	48.575	ug/l	98
88) 1,4-Dichlorobenzene	12.56	146	246993	49.108	ug/l	98
89) n-Butylbenzene	12.83	91	509441	49.581	ug/l	96
90) Hexachloroethane	12.91	117	128079	51.327	ug/l	99
91) 1,2-Dichlorobenzene	12.93	146	233218	48.187	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.63	75	14423	47.428	ug/l	63

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93) 1,2,4-Trichlorobenzene	14.20	180	165777	49.188	ug/l	96
94) Hexachlorobutadiene	14.19	225	111903	50.014	ug/l	96
95) Naphthalene	14.45	128	303806	50.120	ug/l	100
96) 1,2,3-Trichlorobenzene	14.60	180	158007	50.959	ug/l	95

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

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