

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011419\
 Data File : VF061384.D
 Acq On : 14 Jan 2019 12:25
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Quant Time: Jan 14 21:46:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 07:13:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.83	168	174508	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.57	114	302592	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.75	117	304164	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.53	152	140396	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.81	65	109231	56.24	ug/l	-0.04
Spiked Amount			Recovery	=	112.48%	
35) Dibromofluoromethane	4.07	113	123879	53.50	ug/l	-0.04
Spiked Amount			Recovery	=	107.00%	
50) Toluene-d8	7.52	98	353793	51.64	ug/l	-0.04
Spiked Amount			Recovery	=	103.28%	
62) 4-Bromofluorobenzene	11.39	95	152739	51.05	ug/l	-0.02
Spiked Amount			Recovery	=	102.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.93	85	169353	52.611	ug/l	96
3) Chloromethane	1.07	50	124950	43.560	ug/l	93
4) Vinyl Chloride	1.12	62	112993	44.104	ug/l	96
5) Bromomethane	1.28	94	77465	38.585	ug/l	97
6) Chloroethane	1.37	64	53278	42.586	ug/l	90
7) Trichlorofluoromethane	1.45	101	214395	49.364	ug/l	95
8) Diethyl Ether	1.60	74	28776	45.120	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.80	101	105942	46.197	ug/l	96
10) Methyl Iodide	1.88	142	163317m	45.456	ug/l	
11) Tert butyl alcohol	2.53	59	24531	315.433	ug/l	95
12) 1,1-Dichloroethene	1.77	96	89138m	48.608	ug/l	
13) Acrolein	1.97	56	22747	270.733	ug/l	88
14) Allyl chloride	2.07	41	138969	41.460	ug/l	93
15) Acrylonitrile	2.91	53	56487	204.893	ug/l	96
16) Acetone	2.21	43	133884	296.305	ug/l	97
17) Carbon Disulfide	1.78	76	261134m	43.113	ug/l	
18) Methyl Acetate	2.31	43	40133	45.145	ug/l	99
19) Methyl tert-butyl Ether	2.39	73	175571	50.242	ug/l	98
20) Methylene Chloride	2.16	84	81853m	42.820	ug/l	
21) trans-1,2-Dichloroethene	2.28	96	85919	44.215	ug/l	96
22) Diisopropyl ether	2.77	45	291072	44.885	ug/l	97
23) Vinyl Acetate	3.15	43	623322	328.678	ug/l	99
24) 1,1-Dichloroethane	2.84	63	175370	46.751	ug/l	98
25) 2-Butanone	4.30	43	195639	269.016	ug/l	93
26) 2,2-Dichloropropane	3.56	77	113322	45.208	ug/l	98
27) cis-1,2-Dichloroethene	3.44	96	127699	47.068	ug/l	98
28) Bromochloromethane	3.69	49	76277	46.119	ug/l	93
29) Tetrahydrofuran	4.03	42	82047	269.834	ug/l	99
30) Chloroform	3.82	83	236727	49.713	ug/l	99
31) Cyclohexane	3.66	56	177272m	45.046	ug/l	
32) 1,1,1-Trichloroethane	4.05	97	185555	48.242	ug/l	96
36) 1,1-Dichloropropene	4.25	75	184892	52.325	ug/l	98
37) Ethyl Acetate	4.07	43	69903	54.324	ug/l #	70
38) Carbon Tetrachloride	3.95	117	164568	49.174	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.42	83	207435	46.917	ug/l	97
40) Benzene	4.59	78	399432	48.418	ug/l	98
41) Methacrylonitrile	4.71	41	37749	52.532	ug/l	95
42) 1,2-Dichloroethane	4.91	62	146375	56.991	ug/l	99
43) Isopropyl Acetate	6.93	43	91829	54.053	ug/l #	99
44) Trichloroethene	5.47	130	130106	53.890	ug/l	94
45) 1,2-Dichloropropane	6.21	63	105741	50.404	ug/l	97
46) Dibromomethane	6.05	93	71084	55.187	ug/l	92
47) Bromodichloromethane	6.36	83	184156	57.487	ug/l	96
48) Methyl methacrylate	6.68	41	58218	52.795	ug/l	91
49) 1,4-Dioxane	6.68	88	10281	1477.581	ug/l	94
51) 4-Methyl-2-Pentanone	8.23	43	337552	263.241	ug/l	99
52) Toluene	7.59	92	277542	52.342	ug/l	99
53) t-1,3-Dichloropropene	8.25	75	139815	55.576	ug/l	100
54) cis-1,3-Dichloropropene	7.28	75	189246	56.735	ug/l	100
55) 1,1,2-Trichloroethane	8.47	97	83834	56.500	ug/l	98
56) Ethyl methacrylate	8.60	69	93026	56.096	ug/l	96
57) 1,3-Dichloropropane	8.82	76	150679	57.380	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.27	63	25589	362.092	ug/l #	90
59) 2-Hexanone	9.47	43	264545	291.207	ug/l	100
60) Dibromochloromethane	8.69	129	117538	59.489	ug/l	98
61) 1,2-Dibromoethane	8.96	107	86646	57.286	ug/l	99
64) Tetrachloroethene	8.12	164	111869	50.515	ug/l	99
65) Chlorobenzene	9.77	112	307022	49.986	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.91	131	120333	48.013	ug/l	93
67) Ethyl Benzene	9.88	91	526082	44.423	ug/l	96
68) m/p-Xylenes	10.11	106	384912	93.178	ug/l	100
69) o-Xylene	10.70	106	209742	45.452	ug/l	98
70) Styrene	10.77	104	285852	46.500	ug/l	99
71) Bromoform	10.75	173	59137	57.737	ug/l	98
73) Isopropylbenzene	11.10	105	653665	52.911	ug/l	98
74) N-amyl acetate	11.36	43	153784	54.760	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.68	83	104859	53.532	ug/l	98
76) 1,2,3-Trichloropropane	11.77	75	77388	53.866	ug/l	97
77) Bromobenzene	11.48	156	131486	53.498	ug/l	95
78) n-propylbenzene	11.58	91	707317	48.020	ug/l	99
79) 2-Chlorotoluene	11.71	91	409321	49.877	ug/l	99
80) 1,3,5-Trimethylbenzene	11.81	105	501098	50.975	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.85	75	34771m	55.384	ug/l	
82) 4-Chlorotoluene	11.88	91	407144	48.824	ug/l	97
83) tert-Butylbenzene	12.12	119	520864	53.183	ug/l	97
84) 1,2,4-Trimethylbenzene	12.19	105	504033	51.644	ug/l	96
85) sec-Butylbenzene	12.30	105	679174	48.703	ug/l	98
86) p-Isopropyltoluene	12.45	119	578390	50.993	ug/l	99
87) 1,3-Dichlorobenzene	12.46	146	241066	50.225	ug/l	98
88) 1,4-Dichlorobenzene	12.55	146	240731	52.170	ug/l	96
89) n-Butylbenzene	12.83	91	589671	50.597	ug/l	99
90) Hexachloroethane	12.90	117	145496	56.077	ug/l	90
91) 1,2-Dichlorobenzene	12.93	146	227550	49.670	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.63	75	19532	59.015	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	163556	51.880	ug/l	95
94) Hexachlorobutadiene	14.18	225	104269	51.375	ug/l	97
95) Naphthalene	14.45	128	323107	54.385	ug/l	99
96) 1,2,3-Trichlorobenzene	14.59	180	154345	51.973	ug/l	100

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

