

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032519\
 Data File : VF062127.D
 Acq On : 25 Mar 2019 12:48
 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

MMDadoda
 3/26/2019 3:59:13 PM

Quant Time: Mar 26 04:50:33 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	4.86	168	264583	50.00	ug/l	-0.05
34) 1,4-Difluorobenzene	5.59	114	423526	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.77	117	346804	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.55	152	178672	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.84	65	100316	50.97	ug/l	-0.04
Spiked Amount			Recovery	=	101.94%	
35) Dibromofluoromethane	4.11	113	152603	53.26	ug/l	-0.04
Spiked Amount			Recovery	=	106.52%	
50) Toluene-d8	7.55	98	442206	51.71	ug/l	-0.04
Spiked Amount			Recovery	=	103.42%	
62) 4-Bromofluorobenzene	11.41	95	166436	50.41	ug/l	-0.03
Spiked Amount			Recovery	=	100.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	180492	53.250	ug/l	97
3) Chloromethane	1.09	50	189003	53.291	ug/l	99
4) Vinyl Chloride	1.13	62	180240	54.942	ug/l	99
5) Bromomethane	1.32	94	124286	52.704	ug/l	98
6) Chloroethane	1.39	64	89564	54.234	ug/l	92
7) Trichlorofluoromethane	1.48	101	223201	56.335	ug/l	98
8) Diethyl Ether	1.62	74	43997	48.613	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	1.82	101	143230	52.990	ug/l	93
10) Methyl Iodide	1.90	142	268583m	52.289	ug/l	
11) Tert butyl alcohol	2.55	59	28077	259.294	ug/l	100
12) 1,1-Dichloroethene	1.79	96	129446	50.755	ug/l	97
13) Acrolein	2.00	56	36521	280.478	ug/l	91
14) Allyl chloride	2.10	41	192946	70.860	ug/l	100
15) Acrylonitrile	2.93	53	92853	243.854	ug/l	95
16) Acetone	2.23	43	120940	291.988	ug/l	99
17) Carbon Disulfide	1.82	76	412999	53.105	ug/l	97
18) Methyl Acetate	2.34	43	48126	48.710	ug/l	92
19) Methyl tert-butyl Ether	2.42	73	215947	53.574	ug/l	98
20) Methylene Chloride	2.18	84	127642m	51.341	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	129252	52.673	ug/l	91
22) Diisopropyl ether	2.80	45	372500	52.178	ug/l	98
23) Vinyl Acetate	3.18	43	799639	273.574	ug/l	100
24) 1,1-Dichloroethane	2.87	63	224044	52.333	ug/l	99
25) 2-Butanone	4.33	43	226486	261.929	ug/l	95
26) 2,2-Dichloropropane	3.60	77	95826	55.205	ug/l	97
27) cis-1,2-Dichloroethene	3.47	96	169994	52.279	ug/l	96
28) Bromochloromethane	3.71	49	88107	50.370	ug/l	100
29) Tetrahydrofuran	4.07	42	94613	251.662	ug/l	96
30) Chloroform	3.85	83	235383	52.025	ug/l	98
31) Cyclohexane	3.68	56	231121	51.690	ug/l	97
32) 1,1,1-Trichloroethane	4.09	97	174084	63.252	ug/l	99
36) 1,1-Dichloropropene	4.28	75	207851	51.524	ug/l	95
37) Ethyl Acetate	4.10	43	82856	46.997	ug/l #	68
38) Carbon Tetrachloride	3.99	117	151414	55.070	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	246505	52.650	ug/l	96
40) Benzene	4.63	78	541420	50.064	ug/l	98
41) Methacrylonitrile	4.74	41	42646	45.717	ug/l	95
42) 1,2-Dichloroethane	4.94	62	128002	50.052	ug/l	97
43) Isopropyl Acetate	6.95	43	103791	48.612	ug/l #	97
44) Trichloroethene	5.50	130	166021	50.212	ug/l	94
45) 1,2-Dichloropropane	6.22	63	116840	45.298	ug/l	99
46) Dibromomethane	6.08	93	77813	49.339	ug/l	97
47) Bromodichloromethane	6.38	83	180150	51.570	ug/l	99
48) Methyl methacrylate	6.71	41	58807	48.374	ug/l	98
49) 1,4-Dioxane	6.70	88	9941	931.936	ug/l	93
51) 4-Methyl-2-Pentanone	8.25	43	348381	243.786	ug/l	98
52) Toluene	7.62	92	330840	52.817	ug/l	99
53) t-1,3-Dichloropropene	8.27	75	143124	52.191	ug/l	94
54) cis-1,3-Dichloropropene	7.29	75	197540	50.344	ug/l	98
55) 1,1,2-Trichloroethane	8.48	97	87602	49.236	ug/l	96
56) Ethyl methacrylate	8.60	69	108560	51.161	ug/l	94
57) 1,3-Dichloropropane	8.84	76	153597	52.014	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.28	63	79390	246.563	ug/l	100
59) 2-Hexanone	9.48	43	259832	248.083	ug/l	96
60) Dibromochloromethane	8.70	129	130177	52.630	ug/l	96
61) 1,2-Dibromoethane	8.98	107	95073	50.085	ug/l	100
64) Tetrachloroethene	8.14	164	137931	51.479	ug/l	94
65) Chlorobenzene	9.79	112	349173	53.810	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.93	131	139363	53.467	ug/l	96
67) Ethyl Benzene	9.90	91	609064	53.972	ug/l	98
68) m/p-Xylenes	10.12	106	448030	106.223	ug/l	97
69) o-Xylene	10.71	106	232028	52.524	ug/l	99
70) Styrene	10.78	104	349360	52.196	ug/l	98
71) Bromoform	10.76	173	67714	50.791	ug/l	96
73) Isopropylbenzene	11.12	105	701218	55.774	ug/l	99
74) N-amyl acetate	11.37	43	157874	52.700	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.69	83	113415	52.538	ug/l	99
76) 1,2,3-Trichloropropane	11.79	75	76069	50.071	ug/l	100
77) Bromobenzene	11.48	156	164128	53.433	ug/l	84
78) n-propylbenzene	11.59	91	762202	52.209	ug/l	96
79) 2-Chlorotoluene	11.71	91	440150	54.243	ug/l	97
80) 1,3,5-Trimethylbenzene	11.82	105	552493	53.425	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.86	75	32004m	51.699	ug/l	
82) 4-Chlorotoluene	11.89	91	441257	53.036	ug/l	99
83) tert-Butylbenzene	12.13	119	583292	53.881	ug/l	100
84) 1,2,4-Trimethylbenzene	12.19	105	541328	53.397	ug/l	96
85) sec-Butylbenzene	12.30	105	732205	52.283	ug/l	96
86) p-Isopropyltoluene	12.45	119	657576	54.196	ug/l	99
87) 1,3-Dichlorobenzene	12.47	146	303163	53.123	ug/l	98
88) 1,4-Dichlorobenzene	12.56	146	288026	51.723	ug/l	94
89) n-Butylbenzene	12.84	91	624688	53.965	ug/l	98
90) Hexachloroethane	12.91	117	154383	53.437	ug/l	79
91) 1,2-Dichlorobenzene	12.93	146	277269	51.743	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.63	75	17709	54.141	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	198285	53.093	ug/l	96
94) Hexachlorobutadiene	14.19	225	131641	53.013	ug/l	97
95) Naphthalene	14.45	128	337951	51.637	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	191044	54.649	ug/l	98

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

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 Misc : 5.00µL/MSVOA-F/SOIL
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Instrument :
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 Client Sample ID :
 VSTDC050

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