

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060719\
 Data File : VF062903.D
 Acq On : 7 Jun 2019 17:39
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/10/2019 12:25:48 PM

Quant Time: Jun 08 01:05:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 04:18:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	863711	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1379556	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.92	117	1039532	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.62	152	479346	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.05	65	303453	50.81	ug/l	0.00
Spiked Amount 50.000			Recovery =	101.62%		
35) Dibromofluoromethane	4.32	113	524678	50.33	ug/l	-0.01
Spiked Amount 50.000			Recovery =	100.66%		
50) Toluene-d8	7.72	98	1284792	48.74	ug/l	-0.01
Spiked Amount 50.000			Recovery =	97.48%		
62) 4-Bromofluorobenzene	11.50	95	439218	46.32	ug/l	-0.01
Spiked Amount 50.000			Recovery =	92.64%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.02	85	454837	46.215	ug/l	94
3) Chloromethane	1.15	50	415455	46.488	ug/l	100
4) Vinyl Chloride	1.20	62	420606	47.361	ug/l	96
5) Bromomethane	1.40	94	253856	50.122	ug/l	98
6) Chloroethane	1.45	64	170056	51.215	ug/l	95
7) Trichlorofluoromethane	1.57	101	622357	49.502	ug/l	99
8) Diethyl Ether	1.72	74	132234	53.460	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.91	101	412390	52.173	ug/l	94
10) Methyl Iodide	1.99	142	772078	48.716	ug/l	98
11) Tert butyl alcohol	2.71	59	105286	290.994	ug/l	97
12) 1,1-Dichloroethene	1.88	96	369309	51.454	ug/l	91
13) Acrolein	2.11	56	45415	316.371	ug/l	95
14) Allyl chloride	2.21	41	372573m	66.910	ug/l	
15) Acrylonitrile	3.10	53	279110	205.296	ug/l	97
16) Acetone	2.36	43	369827	270.540	ug/l	96
17) Carbon Disulfide	1.92	76	1038201	49.490	ug/l	99
18) Methyl Acetate	2.48	43	131244	54.941	ug/l	100
19) Methyl tert-butyl Ether	2.56	73	692768	53.275	ug/l	97
20) Methylene Chloride	2.34	84	380423	55.927	ug/l	93
21) trans-1,2-Dichloroethene	2.44	96	381587	53.024	ug/l	97
22) Diisopropyl ether	2.95	45	882182	55.764	ug/l	98
23) Vinyl Acetate	3.35	43	2999601	276.960	ug/l	98
24) 1,1-Dichloroethane	3.03	63	659496	55.834	ug/l	97
25) 2-Butanone	4.54	43	838039	263.250	ug/l	95
26) 2,2-Dichloropropane	3.79	77	374689	55.867	ug/l	97
27) cis-1,2-Dichloroethene	3.66	96	605435	50.049	ug/l	95
28) Bromochloromethane	3.92	49	322263	50.157	ug/l	100
29) Tetrahydrofuran	4.28	42	351693	288.848	ug/l	98
30) Chloroform	4.06	83	817838	49.128	ug/l	98
31) Cyclohexane	3.90	56	785742	49.135	ug/l	94
32) 1,1,1-Trichloroethane	4.30	97	541888	55.908	ug/l	94
36) 1,1-Dichloropropene	4.49	75	679540	53.507	ug/l	96
37) Ethyl Acetate	4.32	43	289280	59.587	ug/l	95
38) Carbon Tetrachloride	4.20	117	491198	57.228	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	804440	50.893	ug/l	100
40) Benzene	4.83	78	1946582	52.665	ug/l	100
41) Methacrylonitrile	4.95	41	150863	55.898	ug/l	95
42) 1,2-Dichloroethane	5.14	62	395020	56.192	ug/l	98
43) Isopropyl Acetate	7.13	43	362434	56.514	ug/l	96
44) Trichloroethene	5.70	130	521181	49.962	ug/l	98
45) 1,2-Dichloropropane	6.42	63	513658	55.378	ug/l	100
46) Dibromomethane	6.27	93	292200	53.957	ug/l	92
47) Bromodichloromethane	6.57	83	586810	53.207	ug/l	97
48) Methyl methacrylate	6.89	41	195982	59.296	ug/l	92
49) 1,4-Dioxane	6.88	88	44894	1030.492	ug/l	89
51) 4-Methyl-2-Pentanone	8.41	43	1283657	280.357	ug/l	100
52) Toluene	7.79	92	1005196	50.492	ug/l	96
53) t-1,3-Dichloropropene	8.43	75	490101	53.627	ug/l	98
54) cis-1,3-Dichloropropene	7.47	75	682965	51.627	ug/l	98
55) 1,1,2-Trichloroethane	8.65	97	314570	52.891	ug/l	98
56) Ethyl methacrylate	8.76	69	343049	53.757	ug/l	97
57) 1,3-Dichloropropane	9.00	76	545264	56.141	ug/l	93
58) 2-Chloroethyl Vinyl ether	7.46	63	714173	320.219	ug/l	98
59) 2-Hexanone	9.63	43	894831	274.192	ug/l	98
60) Dibromochloromethane	8.87	129	412397	56.007	ug/l	97
61) 1,2-Dibromoethane	9.14	107	336011	54.399	ug/l	93
64) Tetrachloroethene	8.31	164	381365	47.741	ug/l	94
65) Chlorobenzene	9.94	112	1024604	51.039	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	399791	50.005	ug/l	98
67) Ethyl Benzene	10.04	91	1735473	50.377	ug/l	100
68) m/p-Xylenes	10.26	106	1301897	98.759	ug/l	95
69) o-Xylene	10.82	106	680288	50.970	ug/l	99
70) Styrene	10.89	104	1028595	52.286	ug/l	98
71) Bromoform	10.88	173	219773	57.302	ug/l #	98
73) Isopropylbenzene	11.22	105	1682759	50.312	ug/l	97
74) N-amyl acetate	11.46	43	498543	52.886	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.77	83	389068	54.471	ug/l	97
76) 1,2,3-Trichloropropane	11.87	75	252052	53.237	ug/l	90
77) Bromobenzene	11.58	156	425513	50.633	ug/l	91
78) n-propylbenzene	11.67	91	1994964	49.399	ug/l	96
79) 2-Chlorotoluene	11.80	91	1133532	49.054	ug/l	97
80) 1,3,5-Trimethylbenzene	11.90	105	1358165	49.654	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.94	75	122888m	61.307	ug/l	
82) 4-Chlorotoluene	11.98	91	1137081	50.071	ug/l	99
83) tert-Butylbenzene	12.20	119	1433772	52.901	ug/l	98
84) 1,2,4-Trimethylbenzene	12.27	105	1348350	51.992	ug/l	100
85) sec-Butylbenzene	12.37	105	1862179	52.143	ug/l	99
86) p-Isopropyltoluene	12.52	119	1579110	53.122	ug/l	97
87) 1,3-Dichlorobenzene	12.54	146	753181	50.818	ug/l	100
88) 1,4-Dichlorobenzene	12.63	146	720422	52.085	ug/l	98
89) n-Butylbenzene	12.90	91	1558935	52.134	ug/l	93
90) Hexachloroethane	12.97	117	405450	55.923	ug/l	87
91) 1,2-Dichlorobenzene	13.00	146	690429	53.000	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.69	75	44970	57.790	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	468743	52.406	ug/l	96
94) Hexachlorobutadiene	14.23	225	324586	52.456	ug/l	100
95) Naphthalene	14.49	128	807116	55.080	ug/l	97
96) 1,2,3-Trichlorobenzene	14.64	180	430126	52.681	ug/l	98

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

