

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF040419\
 Data File : VF062163.D
 Acq On : 4 Apr 2019 18:04
 Operator : FY/SY
 Sample : VSTDICC100
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC100

Quant Time: Apr 05 05:15:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F040419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 05 04:46:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	211492	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.57	114	333512	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.75	117	289318	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.53	152	127344	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.82	65	258639	148.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	296.90%	
35) Dibromofluoromethane	4.09	113	271348	117.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	235.98%	
50) Toluene-d8	7.53	98	774247	113.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	227.26%	
62) 4-Bromofluorobenzene	11.39	95	307740	115.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	231.98%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.96	85	289990	105.283	ug/l	89
3) Chloromethane	1.10	50	253848	91.207	ug/l	90
4) Vinyl Chloride	1.14	62	253046	97.604	ug/l	95
5) Bromomethane	1.33	94	204397	108.031	ug/l	99
6) Chloroethane	1.39	64	135027	101.568	ug/l	93
7) Trichlorofluoromethane	1.47	101	372349m	114.982	ug/l	
8) Diethyl Ether	1.62	74	76033	105.763	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.83	101	232622	108.144	ug/l	94
10) Methyl Iodide	1.90	142	413453m	101.458	ug/l	
11) Tert butyl alcohol	2.56	59	58557	654.550	ug/l	100
12) 1,1-Dichloroethene	1.79	96	216803	106.412	ug/l	94
13) Acrolein	1.99	56	59931	567.710	ug/l	92
14) Allyl chloride	2.08	41	268666	118.048	ug/l	97
15) Acrylonitrile	2.93	53	163421	536.298	ug/l #	85
16) Acetone	2.22	43	260739	729.167	ug/l	100
17) Carbon Disulfide	1.82	76	706823m	113.414	ug/l	
18) Methyl Acetate	2.33	43	112492m	136.669	ug/l	
19) Methyl tert-butyl Ether	2.42	73	401265	120.600	ug/l	96
20) Methylene Chloride	2.17	84	205831m	89.101	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	221161	111.874	ug/l	92
22) Diisopropyl ether	2.78	45	690568	118.169	ug/l	97
23) Vinyl Acetate	3.16	43	1680385	688.489	ug/l	100
24) 1,1-Dichloroethane	2.85	63	405031	115.708	ug/l	97
25) 2-Butanone	4.31	43	460999	652.042	ug/l	92
26) 2,2-Dichloropropane	3.57	77	200938	135.470	ug/l	90
27) cis-1,2-Dichloroethene	3.45	96	258302	98.808	ug/l	86
28) Bromochloromethane	3.70	49	158247	107.695	ug/l #	93
29) Tetrahydrofuran	4.05	42	187960	613.578	ug/l	97
30) Chloroform	3.83	83	462334	122.400	ug/l	86
31) Cyclohexane	3.67	56	366422m	102.347	ug/l	
32) 1,1,1-Trichloroethane	4.07	97	305769	126.517	ug/l	94
36) 1,1-Dichloropropene	4.26	75	402462	123.895	ug/l	91
37) Ethyl Acetate	4.08	43	173195	122.768	ug/l #	77
38) Carbon Tetrachloride	3.96	117	294239	130.165	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	400242	110.913	ug/l	98
40) Benzene	4.60	78	878208	104.488	ug/l	100
41) Methacrylonitrile	4.72	41	94477	125.985	ug/l #	81
42) 1,2-Dichloroethane	4.92	62	319393	148.287	ug/l	99
43) Isopropyl Acetate	6.94	43	198793	118.378	ug/l	98
44) Trichloroethene	5.48	130	276968	107.484	ug/l	85
45) 1,2-Dichloropropane	6.21	63	210755	104.337	ug/l	93
46) Dibromomethane	6.06	93	134984	107.984	ug/l	95
47) Bromodichloromethane	6.35	83	361142	126.331	ug/l	99
48) Methyl methacrylate	6.69	41	139656	138.113	ug/l	94
49) 1,4-Dioxane	6.69	88	20726	2533.014	ug/l	92
51) 4-Methyl-2-Pentanone	8.24	43	690454	600.188	ug/l	100
52) Toluene	7.61	92	559434	112.860	ug/l	98
53) t-1,3-Dichloropropene	8.26	75	316319	139.779	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	374336	119.528	ug/l	97
55) 1,1,2-Trichloroethane	8.46	97	153714	110.436	ug/l	93
56) Ethyl methacrylate	8.59	69	190452	112.467	ug/l	93
57) 1,3-Dichloropropane	8.83	76	256086	110.917	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.27	63	141671	557.115	ug/l	99
59) 2-Hexanone	9.47	43	466522	557.089	ug/l	99
60) Dibromochloromethane	8.69	129	227881	116.207	ug/l	94
61) 1,2-Dibromoethane	8.96	107	166053	111.946	ug/l	95
64) Tetrachloroethene	8.13	164	224890	100.924	ug/l	97
65) Chlorobenzene	9.77	112	581170	106.394	ug/l	96
66) 1,1,1,2-Tetrachloroethane	9.91	131	252842	113.426	ug/l	96
67) Ethyl Benzene	9.88	91	1093914	112.577	ug/l	99
68) m/p-Xylenes	10.11	106	789030	218.222	ug/l	99
69) o-Xylene	10.69	106	426218	115.080	ug/l	96
70) Styrene	10.77	104	603069	105.474	ug/l	97
71) Bromoform	10.75	173	131212	114.640	ug/l	97
73) Isopropylbenzene	11.10	105	1200413	131.855	ug/l	99
74) N-amyl acetate	11.35	43	321994	145.777	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.67	83	186477	121.874	ug/l	99
76) 1,2,3-Trichloropropane	11.77	75	145722	130.851	ug/l	94
77) Bromobenzene	11.48	156	250319	114.101	ug/l	90
78) n-propylbenzene	11.57	91	1360114	127.088	ug/l	96
79) 2-Chlorotoluene	11.70	91	810633	136.656	ug/l	99
80) 1,3,5-Trimethylbenzene	11.81	105	1005608	132.113	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.85	75	64250m	140.622	ug/l	
82) 4-Chlorotoluene	11.88	91	804012	130.572	ug/l	95
83) tert-Butylbenzene	12.12	119	1003717	127.142	ug/l	99
84) 1,2,4-Trimethylbenzene	12.18	105	986057	132.456	ug/l	98
85) sec-Butylbenzene	12.29	105	1260327	123.923	ug/l	98
86) p-Isopropyltoluene	12.44	119	1174502	131.039	ug/l	97
87) 1,3-Dichlorobenzene	12.46	146	478392	115.555	ug/l	95
88) 1,4-Dichlorobenzene	12.55	146	460751	115.511	ug/l	99
89) n-Butylbenzene	12.83	91	1082674	127.344	ug/l	96
90) Hexachloroethane	12.90	117	282612	135.056	ug/l	96
91) 1,2-Dichlorobenzene	12.92	146	440476	114.856	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.62	75	42233	173.499	ug/l	71

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.18	180	339799	125.794	ug/l	97
94) Hexachlorobutadiene	14.17	225	214686	120.319	ug/l	99
95) Naphthalene	14.44	128	579447	125.378	ug/l	100
96) 1,2,3-Trichlorobenzene	14.59	180	307681	124.222	ug/l	93

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

