

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF053019\
 Data File : VF062798.D
 Acq On : 30 May 2019 16:27
 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: May 31 03:57:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 03:15:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.08	168	882883	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.80	114	1504989	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	1203733	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	565491	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.06	65	618693	97.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	194.22%	
35) Dibromofluoromethane	4.34	113	1082982	92.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	185.24%	
50) Toluene-d8	7.73	98	2679198	88.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	176.58%	
62) 4-Bromofluorobenzene	11.51	95	1004906	96.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	193.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.02	85	966013	75.971	ug/l	97
3) Chloromethane	1.15	50	908865	91.162	ug/l	97
4) Vinyl Chloride	1.19	62	877188	91.326	ug/l	99
5) Bromomethane	1.39	94	495379	87.777	ug/l	99
6) Chloroethane	1.46	64	327557	89.453	ug/l #	86
7) Trichlorofluoromethane	1.57	101	1248985m	92.370	ug/l	
8) Diethyl Ether	1.73	74	250847	91.922	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.93	101	745158	84.906	ug/l	96
10) Methyl Iodide	2.01	142	1593418m	93.657	ug/l	
11) Tert butyl alcohol	2.72	59	201259	515.125	ug/l	96
12) 1,1-Dichloroethene	1.89	96	699158	90.403	ug/l	92
13) Acrolein	2.11	56	74207	493.065	ug/l	89
14) Allyl chloride	2.21	41	663914	117.511	ug/l	94
15) Acrylonitrile	3.11	53	890942	613.704	ug/l	92
16) Acetone	2.37	43	703530	474.758	ug/l	98
17) Carbon Disulfide	1.92	76	2111901	124.591	ug/l	96
18) Methyl Acetate	2.47	43	238990	82.990	ug/l	90
19) Methyl tert-butyl Ether	2.56	73	1309891	93.248	ug/l	99
20) Methylene Chloride	2.37	84	686713m	78.703	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	725307	89.944	ug/l	94
22) Diisopropyl ether	2.96	45	1609213	96.927	ug/l	98
23) Vinyl Acetate	3.37	43	5175224	423.405	ug/l	95
24) 1,1-Dichloroethane	3.04	63	1264653	100.481	ug/l	97
25) 2-Butanone	4.55	43	1481927	420.988	ug/l	95
26) 2,2-Dichloropropane	3.80	77	705791	94.857	ug/l	97
27) cis-1,2-Dichloroethene	3.67	96	1212904	93.150	ug/l	95
28) Bromochloromethane	3.93	49	637285	89.190	ug/l	95
29) Tetrahydrofuran	4.29	42	579132	445.314	ug/l	93
30) Chloroform	4.08	83	1637139	88.939	ug/l	100
31) Cyclohexane	3.90	56	1594753m	91.160	ug/l	
32) 1,1,1-Trichloroethane	4.32	97	1050330	103.197	ug/l	94
36) 1,1-Dichloropropene	4.50	75	1359882	92.683	ug/l	96
37) Ethyl Acetate	4.33	43	509701	86.199	ug/l	90
38) Carbon Tetrachloride	4.21	117	896497	91.299	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.66	83	1689595	94.450	ug/l	95
40) Benzene	4.85	78	3732548	86.226	ug/l	99
41) Methacrylonitrile	4.96	41	270064	84.091	ug/l	95
42) 1,2-Dichloroethane	5.16	62	747084	92.861	ug/l	96
43) Isopropyl Acetate	7.14	43	725353	98.974	ug/l	97
44) Trichloroethene	5.71	130	1078745	88.952	ug/l	98
45) 1,2-Dichloropropane	6.43	63	1000281	93.847	ug/l	98
46) Dibromomethane	6.29	93	568260	91.713	ug/l	97
47) Bromodichloromethane	6.57	83	1158728	91.796	ug/l	99
48) Methyl methacrylate	6.90	41	398079	106.554	ug/l	95
49) 1,4-Dioxane	6.89	88	100427	2228.769	ug/l	99
51) 4-Methyl-2-Pentanone	8.42	43	2322023	411.919	ug/l	97
52) Toluene	7.80	92	2103199	92.833	ug/l	90
53) t-1,3-Dichloropropene	8.45	75	972488	93.067	ug/l	99
54) cis-1,3-Dichloropropene	7.48	75	1419885	93.883	ug/l	97
55) 1,1,2-Trichloroethane	8.65	97	638197	92.021	ug/l	98
56) Ethyl methacrylate	8.77	69	716361	100.692	ug/l	98
57) 1,3-Dichloropropane	9.02	76	1087749	96.401	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.47	63	1170630	464.625	ug/l	94
59) 2-Hexanone	9.64	43	1658384	420.473	ug/l	94
60) Dibromochloromethane	8.88	129	862252	103.066	ug/l	100
61) 1,2-Dibromoethane	9.15	107	693617	101.270	ug/l	100
64) Tetrachloroethene	8.33	164	867667	86.388	ug/l	94
65) Chlorobenzene	9.96	112	2232668	91.470	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.08	131	919085	96.393	ug/l	97
67) Ethyl Benzene	10.05	91	3585071	84.264	ug/l	90
68) m/p-Xylenes	10.28	106	2925592	184.306	ug/l	89
69) o-Xylene	10.83	106	1544993	96.020	ug/l	86
70) Styrene	10.91	104	2168475	91.659	ug/l	99
71) Bromoform	10.89	173	475795	102.634	ug/l #	97
73) Isopropylbenzene	11.23	105	3538544	82.714	ug/l	96
74) N-amyl acetate	11.46	43	979589	80.713	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	823677	89.104	ug/l	96
76) 1,2,3-Trichloropropane	11.88	75	550962	92.670	ug/l	89
77) Bromobenzene	11.59	156	931714	88.928	ug/l	85
78) n-propylbenzene	11.69	91	3714936	69.970	ug/l	95
79) 2-Chlorotoluene	11.81	91	2533620	87.118	ug/l	91
80) 1,3,5-Trimethylbenzene	11.91	105	2917207	83.643	ug/l	92
81) trans-1,4-Dichloro-2-buten	11.95	75	253077m	81.510	ug/l	
82) 4-Chlorotoluene	11.99	91	2416035	83.825	ug/l	90
83) tert-Butylbenzene	12.21	119	2964376	87.506	ug/l	97
84) 1,2,4-Trimethylbenzene	12.28	105	2789789	83.801	ug/l	92
85) sec-Butylbenzene	12.38	105	3705779	80.056	ug/l	91
86) p-Isopropyltoluene	12.53	119	3107927	81.612	ug/l	93
87) 1,3-Dichlorobenzene	12.55	146	1581037	84.044	ug/l	95
88) 1,4-Dichlorobenzene	12.64	146	1496568	85.330	ug/l	98
89) n-Butylbenzene	12.90	91	2966384	75.567	ug/l	98
90) Hexachloroethane	12.98	117	847349	93.713	ug/l	93
91) 1,2-Dichlorobenzene	13.01	146	1410383	85.390	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.70	75	98937	100.548	ug/l	77

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	1040945	92.862	ug/l	98
94) Hexachlorobutadiene	14.23	225	729834	94.758	ug/l	97
95) Naphthalene	14.50	128	1937570	108.828	ug/l	98
96) 1,2,3-Trichlorobenzene	14.65	180	997838	100.555	ug/l	93

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

