

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051419\
 Data File : VF062588.D
 Acq On : 14 May 2019 17:48
 Operator : FY/SY
 Sample : VSTDICC100
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC100

Quant Time: May 15 05:00:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051419S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 15 04:31:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.08	168	649906	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.81	114	1067502	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.94	117	793885	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	389621	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.06	65	450482	63.99	ug/l	0.00
Spiked Amount			Recovery	=	127.98%	
35) Dibromofluoromethane	4.34	113	730188	91.85	ug/l	0.00
Spiked Amount			Recovery	=	183.70%	
50) Toluene-d8	7.74	98	1674652	74.87	ug/l	0.00
Spiked Amount			Recovery	=	149.74%	
62) 4-Bromofluorobenzene	11.51	95	600660	67.23	ug/l	0.00
Spiked Amount			Recovery	=	134.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.02	85	530874	59.350	ug/l	96
3) Chloromethane	1.15	50	594170	76.260	ug/l	98
4) Vinyl Chloride	1.20	62	577863	74.849	ug/l	100
5) Bromomethane	1.40	94	270817	44.677	ug/l	83
6) Chloroethane	1.46	64	220210	55.240	ug/l	96
7) Trichlorofluoromethane	1.57	101	826303	73.691	ug/l	91
8) Diethyl Ether	1.73	74	182030	76.657	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.92	101	545292	74.508	ug/l #	94
10) Methyl Iodide	1.99	142	1000088m	80.511	ug/l	
11) Tert butyl alcohol	2.71	59	129616	392.513	ug/l	99
12) 1,1-Dichloroethene	1.89	96	477618	72.074	ug/l	98
13) Acrolein	2.12	56	66244	207.745	ug/l	86
14) Allyl chloride	2.22	41	578027m	69.026	ug/l	
15) Acrylonitrile	3.11	53	569343	576.449	ug/l	95
16) Acetone	2.37	43	435504	320.376	ug/l	93
17) Carbon Disulfide	1.93	76	1102834	54.300	ug/l	100
18) Methyl Acetate	2.47	43	191180	58.047	ug/l #	86
19) Methyl tert-butyl Ether	2.56	73	937810	78.247	ug/l	97
20) Methylene Chloride	2.31	84	497387m	62.512	ug/l	
21) trans-1,2-Dichloroethene	2.44	96	471465	79.080	ug/l	95
22) Diisopropyl ether	2.96	45	1309446	67.680	ug/l	96
23) Vinyl Acetate	3.37	43	3430034	368.769	ug/l	99
24) 1,1-Dichloroethane	3.04	63	938172	80.232	ug/l	99
25) 2-Butanone	4.55	43	981855	384.977	ug/l	97
26) 2,2-Dichloropropane	3.81	77	471809	75.984	ug/l	100
27) cis-1,2-Dichloroethene	3.68	96	717221	90.823	ug/l	98
28) Bromochloromethane	3.93	49	523262	99.081	ug/l	84
29) Tetrahydrofuran	4.29	42	412022	374.262	ug/l	96
30) Chloroform	4.08	83	1083269	76.875	ug/l	91
31) Cyclohexane	3.90	56	880904	76.351	ug/l	98
32) 1,1,1-Trichloroethane	4.32	97	727205	78.293	ug/l	99
36) 1,1-Dichloropropene	4.51	75	790652	68.495	ug/l	99
37) Ethyl Acetate	4.33	43	331988	62.165	ug/l	92
38) Carbon Tetrachloride	4.22	117	668382	75.029	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.67	83	931302	79.790	ug/l	95
40) Benzene	4.85	78	2220995	85.385	ug/l	98
41) Methacrylonitrile	4.96	41	198605	65.990	ug/l	96
42) 1,2-Dichloroethane	5.16	62	490890	53.962	ug/l	99
43) Isopropyl Acetate	7.14	43	396588	68.800	ug/l #	97
44) Trichloroethene	5.72	130	602520	76.570	ug/l	99
45) 1,2-Dichloropropane	6.44	63	579669	93.641	ug/l	98
46) Dibromomethane	6.29	93	325720	78.996	ug/l	99
47) Bromodichloromethane	6.58	83	726485	66.728	ug/l	98
48) Methyl methacrylate	6.90	41	229933	53.714	ug/l	97
49) 1,4-Dioxane	6.90	88	52931	1900.398	ug/l #	90
51) 4-Methyl-2-Pentanone	8.43	43	1454609	334.589	ug/l	99
52) Toluene	7.81	92	1118550	69.316	ug/l	97
53) t-1,3-Dichloropropene	8.45	75	549383	62.869	ug/l	99
54) cis-1,3-Dichloropropene	7.48	75	791548	72.981	ug/l	96
55) 1,1,2-Trichloroethane	8.65	97	353389	78.278	ug/l	97
56) Ethyl methacrylate	8.78	69	410068	69.307	ug/l	96
57) 1,3-Dichloropropane	9.02	76	600636	79.008	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.47	63	646506	690.916	ug/l	97
59) 2-Hexanone	9.64	43	900962	294.292	ug/l	100
60) Dibromochloromethane	8.88	129	475601	73.974	ug/l	99
61) 1,2-Dibromoethane	9.16	107	366756	77.247	ug/l	100
64) Tetrachloroethene	8.33	164	438574	75.819	ug/l	93
65) Chlorobenzene	9.96	112	1192786	78.140	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.08	131	517952	78.620	ug/l	97
67) Ethyl Benzene	10.05	91	2034306	68.944	ug/l	96
68) m/p-Xylenes	10.28	106	1532247	144.924	ug/l	90
69) o-Xylene	10.83	106	835075	78.521	ug/l	97
70) Styrene	10.91	104	1209347	74.317	ug/l	97
71) Bromoform	10.90	173	259284	77.041	ug/l #	98
73) Isopropylbenzene	11.23	105	2246451	71.429	ug/l	96
74) N-amyl acetate	11.46	43	546150	64.889	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.78	83	462021	89.952	ug/l	98
76) 1,2,3-Trichloropropane	11.89	75	275609	71.492	ug/l	98
77) Bromobenzene	11.59	156	518206	77.818	ug/l	97
78) n-propylbenzene	11.69	91	2460887	67.239	ug/l	95
79) 2-Chlorotoluene	11.81	91	1464869	70.070	ug/l	94
80) 1,3,5-Trimethylbenzene	11.91	105	1705644	65.082	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.96	75	134309m	86.622	ug/l	
82) 4-Chlorotoluene	11.99	91	1421752	67.272	ug/l	96
83) tert-Butylbenzene	12.21	119	1834143	69.128	ug/l	95
84) 1,2,4-Trimethylbenzene	12.28	105	1659486	63.569	ug/l	94
85) sec-Butylbenzene	12.38	105	2396837	70.906	ug/l	94
86) p-Isopropyltoluene	12.53	119	2012875	67.026	ug/l	95
87) 1,3-Dichlorobenzene	12.55	146	952433	75.549	ug/l	99
88) 1,4-Dichlorobenzene	12.64	146	904673	70.799	ug/l	99
89) n-Butylbenzene	12.91	91	1909513	65.383	ug/l	93
90) Hexachloroethane	12.98	117	537554	76.198	ug/l	93
91) 1,2-Dichlorobenzene	13.01	146	893596	74.859	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.70	75	58371	54.745	ug/l	74

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93) 1,2,4-Trichlorobenzene	14.25	180	642861	73.792	ug/l	97
94) Hexachlorobutadiene	14.24	225	471839	83.447	ug/l	99
95) Naphthalene	14.50	128	1190818	83.417	ug/l	97
96) 1,2,3-Trichlorobenzene	14.65	180	622845	81.948	ug/l	98

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

