

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF050619\
 Data File : VF062342.D
 Acq On : 6 May 2019 18:12
 Operator : FY/SY
 Sample : VSTDIC010
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Quant Time: May 07 03:49:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 03:35:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	349525	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	438980	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	383756	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	236712	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.03	65	30037	7.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	15.42%	
35) Dibromofluoromethane	4.31	113	37404	8.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	17.72%	
50) Toluene-d8	7.70	98	83855	8.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	16.38%	
62) 4-Bromofluorobenzene	11.50	95	41566	9.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	19.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	45530	9.263	ug/l	96
3) Chloromethane	1.16	50	28789	7.450	ug/l #	87
4) Vinyl Chloride	1.20	62	29231	7.807	ug/l	100
5) Bromomethane	1.39	94	23463	8.608	ug/l	98
6) Chloroethane	1.43	64	15487	8.872	ug/l	98
7) Trichlorofluoromethane	1.57	101	57156	8.633	ug/l	95
8) Diethyl Ether	1.71	74	8818	7.985	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	1.91	101	31904	7.991	ug/l	92
10) Methyl Iodide	1.97	142	54627	7.967	ug/l	99
11) Tert butyl alcohol	2.70	59	9756	45.356	ug/l #	84
12) 1,1-Dichloroethene	1.88	96	28526	8.160	ug/l #	78
13) Acrolein	2.10	56	7212	44.613	ug/l #	74
14) Allyl chloride	2.20	41	26378	7.420	ug/l	97
15) Acrylonitrile	3.09	53	18975	35.031	ug/l	98
16) Acetone	2.35	43	33273	41.270	ug/l #	90
17) Carbon Disulfide	1.92	76	61638	7.048	ug/l	95
18) Methyl Acetate	2.47	43	13649	8.423	ug/l	93
19) Methyl tert-butyl Ether	2.55	73	58995	8.558	ug/l	98
20) Methylene Chloride	2.34	84	26390	6.751	ug/l	88
21) trans-1,2-Dichloroethene	2.42	96	28045	8.199	ug/l	92
22) Diisopropyl ether	2.94	45	76153	7.356	ug/l	96
23) Vinyl Acetate	3.34	43	179626	38.806	ug/l	99
24) 1,1-Dichloroethane	3.01	63	49656	8.273	ug/l	96
25) 2-Butanone	4.52	43	44031	37.194	ug/l	93
26) 2,2-Dichloropropane	3.77	77	29573	9.426	ug/l	94
27) cis-1,2-Dichloroethene	3.64	96	35345	8.047	ug/l	98
28) Bromochloromethane	3.90	49	20502	7.746	ug/l	98
29) Tetrahydrofuran	4.27	42	23583	45.671	ug/l	90
30) Chloroform	4.05	83	65698	8.491	ug/l	99
31) Cyclohexane	3.88	56	40564	7.545	ug/l	89
32) 1,1,1-Trichloroethane	4.29	97	62225	10.951	ug/l	95
36) 1,1-Dichloropropene	4.47	75	44831	9.194	ug/l	98
37) Ethyl Acetate	4.30	43	21569	10.561	ug/l #	73
38) Carbon Tetrachloride	4.18	117	56049m	11.188	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	43125	7.843	ug/l #	84
40) Benzene	4.82	78	95766	8.438	ug/l	95
41) Methacrylonitrile	4.94	41	11534	10.204	ug/l #	63
42) 1,2-Dichloroethane	5.12	62	40533	10.115	ug/l	95
43) Isopropyl Acetate	7.11	43	21144	9.617	ug/l #	99
44) Trichloroethene	5.68	130	34917	8.832	ug/l	92
45) 1,2-Dichloropropane	6.40	63	20989	8.097	ug/l	96
46) Dibromomethane	6.25	93	16855	8.625	ug/l	97
47) Bromodichloromethane	6.56	83	44785	9.532	ug/l	88
48) Methyl methacrylate	6.87	41	13367	8.661	ug/l #	74
49) 1,4-Dioxane	6.89	88	2776	162.237	ug/l #	82
51) 4-Methyl-2-Pentanone	8.40	43	75481	46.095	ug/l	99
52) Toluene	7.77	92	60479	9.056	ug/l	97
53) t-1,3-Dichloropropene	8.42	75	34065	9.810	ug/l	95
54) cis-1,3-Dichloropropene	7.46	75	40977	9.458	ug/l	86
55) 1,1,2-Trichloroethane	8.63	97	18504	9.275	ug/l	87
56) Ethyl methacrylate	8.75	69	19081	8.873	ug/l	97
57) 1,3-Dichloropropane	8.99	76	28272	9.242	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.45	63	31565	49.555	ug/l	99
59) 2-Hexanone	9.62	43	52875	46.785	ug/l	98
60) Dibromochloromethane	8.85	129	30729	9.415	ug/l	96
61) 1,2-Dibromoethane	9.13	107	21521	9.241	ug/l	97
64) Tetrachloroethene	8.30	164	34969	9.011	ug/l	88
65) Chlorobenzene	9.93	112	69841	8.345	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.06	131	34961	8.652	ug/l	97
67) Ethyl Benzene	10.03	91	130351	8.974	ug/l	97
68) m/p-Xylenes	10.25	106	97156	18.202	ug/l	99
69) o-Xylene	10.82	106	49344	8.259	ug/l	91
70) Styrene	10.89	104	76208	8.795	ug/l	99
71) Bromoform	10.88	173	18281	8.101	ug/l #	96
73) Isopropylbenzene	11.21	105	153988	8.027	ug/l	100
74) N-amyl acetate	11.45	43	33502	7.925	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.76	83	23947	7.915	ug/l	95
76) 1,2,3-Trichloropropane	11.86	75	17356	7.874	ug/l #	100
77) Bromobenzene	11.58	156	40083	8.263	ug/l	99
78) n-propylbenzene	11.66	91	169017	8.460	ug/l	99
79) 2-Chlorotoluene	11.79	91	103578	8.436	ug/l	98
80) 1,3,5-Trimethylbenzene	11.89	105	140595	8.707	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.94	75	6265m	6.890	ug/l	
82) 4-Chlorotoluene	11.97	91	98560	8.171	ug/l	99
83) tert-Butylbenzene	12.20	119	143336	8.504	ug/l	100
84) 1,2,4-Trimethylbenzene	12.27	105	134865	8.517	ug/l	100
85) sec-Butylbenzene	12.36	105	171351	8.257	ug/l	99
86) p-Isopropyltoluene	12.51	119	165915	8.856	ug/l	99
87) 1,3-Dichlorobenzene	12.53	146	78745	9.225	ug/l	98
88) 1,4-Dichlorobenzene	12.62	146	73942	8.958	ug/l	97
89) n-Butylbenzene	12.90	91	151014	8.980	ug/l	95
90) Hexachloroethane	12.97	117	39607	8.321	ug/l	93
91) 1,2-Dichlorobenzene	12.99	146	75405	9.148	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.68	75	5351	8.472	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	67924	9.272	ug/l	97
94) Hexachlorobutadiene	14.23	225	48321	9.017	ug/l	99
95) Naphthalene	14.49	128	93368	8.180	ug/l	98
96) 1,2,3-Trichlorobenzene	14.63	180	63905	9.081	ug/l	94

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

