

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF050619\
 Data File : VF062345.D
 Acq On : 6 May 2019 19:36
 Operator : FY/SY
 Sample : VSTDIC075
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Quant Time: May 07 04:25:00 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	325324	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	440156	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	356699	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.60	152	202124	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	231961	63.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	127.98%	
35) Dibromofluoromethane	4.31	113	260448	61.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.04%	
50) Toluene-d8	7.71	98	642700	62.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	125.26%	
62) 4-Bromofluorobenzene	11.49	95	272212	64.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	128.40%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.00	85	247935	54.193	ug/l	92
3) Chloromethane	1.15	50	166993	46.430	ug/l	97
4) Vinyl Chloride	1.19	62	172834	49.595	ug/l	95
5) Bromomethane	1.41	94	140338	55.319	ug/l	97
6) Chloroethane	1.45	64	86068	52.973	ug/l	93
7) Trichlorofluoromethane	1.55	101	367825m	59.692	ug/l	
8) Diethyl Ether	1.71	74	50290	48.926	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.92	101	213011	57.324	ug/l	98
10) Methyl Iodide	1.99	142	343693m	53.854	ug/l	
11) Tert butyl alcohol	2.70	59	60727	303.325	ug/l	97
12) 1,1-Dichloroethene	1.88	96	170750	52.475	ug/l	94
13) Acrolein	2.10	56	36415	242.016	ug/l	86
14) Allyl chloride	2.20	41	153117	46.272	ug/l	99
15) Acrylonitrile	3.09	53	118334	234.718	ug/l	98
16) Acetone	2.34	43	229593	305.957	ug/l	100
17) Carbon Disulfide	1.92	76	385398m	47.348	ug/l	
18) Methyl Acetate	2.46	43	82095	54.433	ug/l	93
19) Methyl tert-butyl Ether	2.55	73	367434	57.265	ug/l	98
20) Methylene Chloride	2.35	84	154046m	42.340	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	160865m	50.527	ug/l	
22) Diisopropyl ether	2.93	45	489382	50.789	ug/l	99
23) Vinyl Acetate	3.34	43	1117996	259.494	ug/l	100
24) 1,1-Dichloroethane	3.00	63	304240	54.460	ug/l	98
25) 2-Butanone	4.53	43	259137	235.180	ug/l	96
26) 2,2-Dichloropropane	3.77	77	160554	54.981	ug/l	100
27) cis-1,2-Dichloroethene	3.64	96	213274	52.167	ug/l	97
28) Bromochloromethane	3.90	49	140693	57.113	ug/l	96
29) Tetrahydrofuran	4.27	42	119226	248.071	ug/l	97
30) Chloroform	4.05	83	412419	57.264	ug/l	97
31) Cyclohexane	3.87	56	228687m	45.698	ug/l	
32) 1,1,1-Trichloroethane	4.29	97	338432m	63.989	ug/l	
36) 1,1-Dichloropropene	4.46	75	260750	53.331	ug/l	99
37) Ethyl Acetate	4.31	43	105167	51.358	ug/l #	97
38) Carbon Tetrachloride	4.18	117	279567	55.658	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	264157	47.914	ug/l	97
40) Benzene	4.82	78	572022	50.268	ug/l	96
41) Methacrylonitrile	4.93	41	58658	51.755	ug/l #	93
42) 1,2-Dichloroethane	5.12	62	245860	61.192	ug/l	99
43) Isopropyl Acetate	7.10	43	113153	51.326	ug/l #	98
44) Trichloroethene	5.68	130	207111	52.247	ug/l	95
45) 1,2-Dichloropropane	6.40	63	136595	52.551	ug/l	99
46) Dibromomethane	6.26	93	113498	57.927	ug/l	86
47) Bromodichloromethane	6.55	83	292565	62.103	ug/l	98
48) Methyl methacrylate	6.88	41	82785	53.496	ug/l	92
49) 1,4-Dioxane	6.87	88	17023	992.214	ug/l	91
51) 4-Methyl-2-Pentanone	8.40	43	442583	269.554	ug/l	100
52) Toluene	7.77	92	357768	53.425	ug/l	97
53) t-1,3-Dichloropropene	8.42	75	201466	57.861	ug/l	99
54) cis-1,3-Dichloropropene	7.46	75	241358	55.561	ug/l	97
55) 1,1,2-Trichloroethane	8.63	97	115706	57.845	ug/l	95
56) Ethyl methacrylate	8.75	69	113478	52.627	ug/l	99
57) 1,3-Dichloropropane	8.99	76	172526	56.250	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.45	63	172692	270.390	ug/l	96
59) 2-Hexanone	9.62	43	288897	254.937	ug/l	99
60) Dibromochloromethane	8.86	129	199090	60.833	ug/l	99
61) 1,2-Dibromoethane	9.13	107	132534	56.757	ug/l	97
64) Tetrachloroethene	8.30	164	207046	57.403	ug/l	99
65) Chlorobenzene	9.93	112	426679	54.852	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.06	131	210540	56.058	ug/l	98
67) Ethyl Benzene	10.02	91	708985	52.511	ug/l	99
68) m/p-Xylenes	10.26	106	524395	105.699	ug/l	97
69) o-Xylene	10.81	106	295131	53.143	ug/l	100
70) Styrene	10.89	104	421687	52.355	ug/l	99
71) Bromoform	10.87	173	119834	57.131	ug/l #	98
73) Isopropylbenzene	11.22	105	895221	54.648	ug/l	99
74) N-amyl acetate	11.44	43	184390	51.081	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.77	83	143863	55.689	ug/l	100
76) 1,2,3-Trichloropropane	11.87	75	101298	53.823	ug/l #	100
77) Bromobenzene	11.58	156	232274	56.078	ug/l	99
78) n-propylbenzene	11.67	91	927819	54.388	ug/l	99
79) 2-Chlorotoluene	11.80	91	571079	54.470	ug/l	100
80) 1,3,5-Trimethylbenzene	11.90	105	740061	53.672	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.93	75	40588m	52.275	ug/l	
82) 4-Chlorotoluene	11.97	91	561640	54.529	ug/l	100
83) tert-Butylbenzene	12.19	119	824222	57.270	ug/l	99
84) 1,2,4-Trimethylbenzene	12.27	105	747309	55.269	ug/l	97
85) sec-Butylbenzene	12.37	105	1021174	57.630	ug/l	97
86) p-Isopropyltoluene	12.52	119	906223	56.647	ug/l	99
87) 1,3-Dichlorobenzene	12.54	146	398378	54.657	ug/l	98
88) 1,4-Dichlorobenzene	12.62	146	386209	54.796	ug/l	99
89) n-Butylbenzene	12.89	91	774513	53.940	ug/l	99
90) Hexachloroethane	12.97	117	237782	58.507	ug/l	98
91) 1,2-Dichlorobenzene	13.00	146	384401	54.617	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.69	75	31433	58.281	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	349851	55.928	ug/l	98
94) Hexachlorobutadiene	14.22	225	275917	60.300	ug/l	98
95) Naphthalene	14.49	128	585047	60.025	ug/l	100
96) 1,2,3-Trichlorobenzene	14.64	180	355925	59.236	ug/l	99

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

