

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF050619\
 Data File : VF062343.D
 Acq On : 6 May 2019 18:40
 Operator : FY/SY
 Sample : VSTDIC020
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Quant Time: May 07 04:22:38 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	326867	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	431184	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	348809	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	219398	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	55813	15.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	30.64%	
35) Dibromofluoromethane	4.30	113	66175	15.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	31.92%	
50) Toluene-d8	7.71	98	158753	15.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	31.58%	
62) 4-Bromofluorobenzene	11.49	95	69343	16.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	33.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	86743	18.870	ug/l	91
3) Chloromethane	1.15	50	54500	15.082	ug/l	97
4) Vinyl Chloride	1.19	62	53604	15.309	ug/l	99
5) Bromomethane	1.39	94	40654	15.950	ug/l	84
6) Chloroethane	1.44	64	26562	16.271	ug/l #	80
7) Trichlorofluoromethane	1.56	101	114658	18.519	ug/l	95
8) Diethyl Ether	1.71	74	16647	16.119	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	1.91	101	61510	16.475	ug/l	94
10) Methyl Iodide	1.98	142	105455m	16.446	ug/l	
11) Tert butyl alcohol	2.70	59	15058	74.858	ug/l	94
12) 1,1-Dichloroethene	1.88	96	52053	15.921	ug/l	90
13) Acrolein	2.10	56	13171	87.122	ug/l	90
14) Allyl chloride	2.19	41	47324	14.234	ug/l	98
15) Acrylonitrile	3.09	53	33602	66.336	ug/l	95
16) Acetone	2.35	43	66174	87.768	ug/l	96
17) Carbon Disulfide	1.92	76	123453m	15.095	ug/l	
18) Methyl Acetate	2.46	43	25411	16.769	ug/l	94
19) Methyl tert-butyl Ether	2.55	73	103537	16.060	ug/l #	92
20) Methylene Chloride	2.34	84	47560m	13.010	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	48645	15.207	ug/l	98
22) Diisopropyl ether	2.94	45	139011	14.359	ug/l	99
23) Vinyl Acetate	3.34	43	308795	71.335	ug/l	98
24) 1,1-Dichloroethane	3.01	63	82049	14.618	ug/l	98
25) 2-Butanone	4.53	43	80102	72.353	ug/l	95
26) 2,2-Dichloropropane	3.77	77	46450	15.831	ug/l	98
27) cis-1,2-Dichloroethene	3.65	96	61665	15.012	ug/l	98
28) Bromochloromethane	3.90	49	33871	13.685	ug/l #	97
29) Tetrahydrofuran	4.27	42	36065	74.685	ug/l	98
30) Chloroform	4.05	83	119902	16.570	ug/l	100
31) Cyclohexane	3.87	56	68386	13.601	ug/l	98
32) 1,1,1-Trichloroethane	4.29	97	103660m	19.507	ug/l	
36) 1,1-Dichloropropene	4.47	75	79829	16.667	ug/l	98
37) Ethyl Acetate	4.31	43	35983	17.938	ug/l #	95
38) Carbon Tetrachloride	4.17	117	87356	17.753	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	78641	14.561	ug/l	97
40) Benzene	4.82	78	173172	15.535	ug/l	99
41) Methacrylonitrile	4.93	41	17706	15.947	ug/l	94
42) 1,2-Dichloroethane	5.13	62	69991	17.783	ug/l	98
43) Isopropyl Acetate	7.11	43	31785	14.718	ug/l #	93
44) Trichloroethene	5.68	130	66087	17.019	ug/l	99
45) 1,2-Dichloropropane	6.40	63	37198	14.609	ug/l	97
46) Dibromomethane	6.25	93	32211	16.782	ug/l	96
47) Bromodichloromethane	6.55	83	79070	17.133	ug/l #	95
48) Methyl methacrylate	6.87	41	23662	15.609	ug/l	98
49) 1,4-Dioxane	6.87	88	5689	338.492	ug/l #	68
51) 4-Methyl-2-Pentanone	8.40	43	132981	82.677	ug/l	97
52) Toluene	7.78	92	101695	15.502	ug/l	99
53) t-1,3-Dichloropropene	8.42	75	59107	17.329	ug/l	98
54) cis-1,3-Dichloropropene	7.46	75	68831	16.175	ug/l #	93
55) 1,1,2-Trichloroethane	8.63	97	32587	16.630	ug/l	96
56) Ethyl methacrylate	8.76	69	34889	16.517	ug/l	95
57) 1,3-Dichloropropane	8.99	76	48419	16.115	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.45	63	50908	81.367	ug/l	97
59) 2-Hexanone	9.62	43	90466	81.493	ug/l	95
60) Dibromochloromethane	8.85	129	53072	16.554	ug/l	99
61) 1,2-Dibromoethane	9.13	107	35780	15.642	ug/l	94
64) Tetrachloroethene	8.30	164	59473	16.862	ug/l	98
65) Chlorobenzene	9.93	112	122812	16.145	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.06	131	63607	17.319	ug/l	96
67) Ethyl Benzene	10.03	91	209592	15.875	ug/l	96
68) m/p-Xylenes	10.25	106	159154	32.805	ug/l	97
69) o-Xylene	10.82	106	87071	16.033	ug/l	99
70) Styrene	10.89	104	123904	15.731	ug/l	98
71) Bromoform	10.88	173	33445	16.306	ug/l #	97
73) Isopropylbenzene	11.21	105	267444	15.040	ug/l	99
74) N-amyl acetate	11.45	43	58149	14.841	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.76	83	39785	14.188	ug/l	93
76) 1,2,3-Trichloropropane	11.86	75	31332	15.337	ug/l #	100
77) Bromobenzene	11.58	156	69573	15.474	ug/l	97
78) n-propylbenzene	11.66	91	288691	15.591	ug/l	99
79) 2-Chlorotoluene	11.79	91	177472	15.595	ug/l	100
80) 1,3,5-Trimethylbenzene	11.89	105	236124	15.776	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.93	75	12563m	14.907	ug/l	
82) 4-Chlorotoluene	11.97	91	172462	15.426	ug/l	98
83) tert-Butylbenzene	12.20	119	253688	16.239	ug/l	99
84) 1,2,4-Trimethylbenzene	12.27	105	234383	15.970	ug/l	100
85) sec-Butylbenzene	12.36	105	306383	15.930	ug/l	99
86) p-Isopropyltoluene	12.51	119	289673	16.681	ug/l	99
87) 1,3-Dichlorobenzene	12.53	146	127796	16.153	ug/l	100
88) 1,4-Dichlorobenzene	12.62	146	125500	16.404	ug/l	98
89) n-Butylbenzene	12.90	91	263671	16.917	ug/l	98
90) Hexachloroethane	12.98	117	71397	16.184	ug/l	95
91) 1,2-Dichlorobenzene	12.99	146	124932	16.353	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.68	75	9064	15.483	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	115732	17.045	ug/l	99
94) Hexachlorobutadiene	14.23	225	88633	17.845	ug/l	96
95) Naphthalene	14.49	128	164813	15.578	ug/l	99
96) 1,2,3-Trichlorobenzene	14.63	180	109634	16.809	ug/l	98

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

