

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041719\
 Data File : VF062195.D
 Acq On : 17 Apr 2019 19:35
 Operator : FY/SY
 Sample : VSTDICC100
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 4/19/2019 10:53:33 AM

Quant Time: Apr 18 07:43:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 06:46:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	421407	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	622444	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.89	117	527746	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	262783	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	376010	66.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	133.98%	
35) Dibromofluoromethane	4.30	113	489008	114.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	229.12%	
50) Toluene-d8	7.70	98	1288314	82.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	165.56%	
62) 4-Bromofluorobenzene	11.48	95	507499	91.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	183.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	609268	120.547	ug/l	97
3) Chloromethane	1.15	50	643949	105.727	ug/l	99
4) Vinyl Chloride	1.19	62	564007	97.356	ug/l	100
5) Bromomethane	1.39	94	310063	81.336	ug/l	96
6) Chloroethane	1.43	64	207080	63.325	ug/l	99
7) Trichlorofluoromethane	1.56	101	697286	101.331	ug/l	92
8) Diethyl Ether	1.70	74	143811	50.103	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.89	101	486140	108.976	ug/l	99
10) Methyl Iodide	1.97	142	869504	168.597	ug/l	91
11) Tert butyl alcohol	2.69	59	133289	119.209	ug/l	98
12) 1,1-Dichloroethene	1.86	96	441782	96.603	ug/l	98
13) Acrolein	2.10	56	61934	66.455	ug/l	97
14) Allyl chloride	2.19	41	517829m	56.963	ug/l	
15) Acrylonitrile	3.07	53	375709	127.546	ug/l	98
16) Acetone	2.34	43	417234	152.657	ug/l	100
17) Carbon Disulfide	1.92	76	1313965m	92.860	ug/l	
18) Methyl Acetate	2.45	43	189706	27.620	ug/l	99
19) Methyl tert-butyl Ether	2.54	73	818563	54.960	ug/l	98
20) Methylene Chloride	2.31	84	430271	81.914	ug/l	99
21) trans-1,2-Dichloroethene	2.41	96	443487	91.543	ug/l	97
22) Diisopropyl ether	2.93	45	1330775	72.584	ug/l	98
23) Vinyl Acetate	3.33	43	3127269	205.776	ug/l	99
24) 1,1-Dichloroethane	3.00	63	744544	80.125	ug/l	99
25) 2-Butanone	4.51	43	876173	198.309	ug/l	98
26) 2,2-Dichloropropane	3.76	77	364267	54.755	ug/l	97
27) cis-1,2-Dichloroethene	3.64	96	582255	103.344	ug/l	97
28) Bromochloromethane	3.89	49	342519	78.837	ug/l #	97
29) Tetrahydrofuran	4.26	42	392962	135.117	ug/l	98
30) Chloroform	4.04	83	882979	100.655	ug/l	95
31) Cyclohexane	3.86	56	857633	91.014	ug/l	96
32) 1,1,1-Trichloroethane	4.28	97	685018	99.753	ug/l #	89
36) 1,1-Dichloropropene	4.45	75	695758	104.259	ug/l	100
37) Ethyl Acetate	4.29	43	320448	42.934	ug/l #	98
38) Carbon Tetrachloride	4.17	117	692669m	124.227	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	839896	104.227	ug/l	96
40) Benzene	4.81	78	1833806	95.824	ug/l	99
41) Methacrylonitrile	4.92	41	188661	43.713	ug/l	93
42) 1,2-Dichloroethane	5.11	62	514463	78.965	ug/l	98
43) Isopropyl Acetate	7.10	43	387351	32.941	ug/l	99
44) Trichloroethene	5.67	130	488314	101.715	ug/l	100
45) 1,2-Dichloropropane	6.40	63	443627	86.694	ug/l	100
46) Dibromomethane	6.25	93	281427	91.752	ug/l	98
47) Bromodichloromethane	6.53	83	637374	104.690	ug/l	99
48) Methyl methacrylate	6.86	41	243796	41.321	ug/l	98
49) 1,4-Dioxane	6.86	88	53370	488.025	ug/l	98
51) 4-Methyl-2-Pentanone	8.39	43	1280459	169.477	ug/l	97
52) Toluene	7.77	92	1026814	90.829	ug/l	95
53) t-1,3-Dichloropropene	8.41	75	490700	74.914	ug/l	93
54) cis-1,3-Dichloropropene	7.44	75	644734	85.426	ug/l	97
55) 1,1,2-Trichloroethane	8.62	97	299510	70.300	ug/l	97
56) Ethyl methacrylate	8.74	69	355819	48.908	ug/l	99
57) 1,3-Dichloropropane	8.98	76	492664	65.619	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.43	63	496129	130.605	ug/l	97
59) 2-Hexanone	9.61	43	898221	155.826	ug/l	96
60) Dibromochloromethane	8.84	129	444489	103.210	ug/l	97
61) 1,2-Dibromoethane	9.12	107	346180	78.097	ug/l	98
64) Tetrachloroethene	8.29	164	439657	105.549	ug/l	99
65) Chlorobenzene	9.91	112	1092492	96.194	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.04	131	461447	110.811	ug/l	99
67) Ethyl Benzene	10.01	91	1848421	90.394	ug/l	97
68) m/p-Xylenes	10.25	106	1409443	189.436	ug/l	88
69) o-Xylene	10.80	106	757884	101.591	ug/l	91
70) Styrene	10.88	104	1081279	87.479	ug/l	99
71) Bromoform	10.86	173	254462	83.082	ug/l #	100
73) Isopropylbenzene	11.21	105	1976863	96.374	ug/l	97
74) N-amyl acetate	11.43	43	531643	50.851	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.76	83	365176	53.850	ug/l	99
76) 1,2,3-Trichloropropane	11.86	75	255076	43.533	ug/l #	64
77) Bromobenzene	11.57	156	468532	92.916	ug/l	98
78) n-propylbenzene	11.66	91	2089518	90.963	ug/l	96
79) 2-Chlorotoluene	11.79	91	1299795	93.060	ug/l	96
80) 1,3,5-Trimethylbenzene	11.89	105	1605149	93.632	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.93	75	128533m	56.043	ug/l	
82) 4-Chlorotoluene	11.96	91	1263718	80.466	ug/l	95
83) tert-Butylbenzene	12.19	119	1671460	99.845	ug/l	98
84) 1,2,4-Trimethylbenzene	12.26	105	1559903	90.468	ug/l	95
85) sec-Butylbenzene	12.36	105	2120430	104.554	ug/l	96
86) p-Isopropyltoluene	12.51	119	1773484	96.934	ug/l	97
87) 1,3-Dichlorobenzene	12.53	146	799104	90.334	ug/l	98
88) 1,4-Dichlorobenzene	12.62	146	804722	89.935	ug/l	99
89) n-Butylbenzene	12.89	91	1617819	96.306	ug/l	95
90) Hexachloroethane	12.96	117	494522	147.410	ug/l	97
91) 1,2-Dichlorobenzene	12.99	146	757805	86.833	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.68	75	69237	45.372	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	630144	97.736	ug/l	99
94) Hexachlorobutadiene	14.22	225	455628	131.461	ug/l	99
95) Naphthalene	14.49	128	1207530	63.635	ug/l	99
96) 1,2,3-Trichlorobenzene	14.63	180	628940	98.246	ug/l	97

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

