

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081419\
 Data File : VN057276.D
 Acq On : 14 Aug 2019 9:17
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMdadoda
 8/19/2019 1:52:50 AM

Quant Time: Aug 23 06:39:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 22 09:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1186913	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1700056	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	1538411	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	671151	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	575888	48.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.20%	
35) Dibromofluoromethane	7.58	113	526364	48.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.98%	
50) Toluene-d8	10.09	98	1981423	50.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.08%	
62) 4-Bromofluorobenzene	12.40	95	687077	50.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	455664	45.541	ug/l	100
3) Chloromethane	2.05	50	504936	44.514	ug/l	99
4) Vinyl Chloride	2.18	62	502466	45.603	ug/l	99
5) Bromomethane	2.54	94	382021m	48.214	ug/l	
6) Chloroethane	2.69	64	340446	46.991	ug/l	100
7) Trichlorofluoromethane	3.01	101	789645	45.549	ug/l	100
8) Diethyl Ether	3.40	74	294308	46.850	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	480948	46.202	ug/l	99
10) Methyl Iodide	3.95	142	789804	48.841	ug/l	99
11) Tert butyl alcohol	4.76	59	375362	232.795	ug/l #	82
12) 1,1-Dichloroethene	3.73	96	465583	45.078	ug/l	99
13) Acrolein	3.60	56	257465	223.185	ug/l	100
14) Allyl chloride	4.31	41	731860	46.711	ug/l	99
15) Acrylonitrile	4.97	53	1062716	233.943	ug/l	99
16) Acetone	3.80	43	1140274	277.781	ug/l	99
17) Carbon Disulfide	4.05	76	1262862	44.732	ug/l	99
18) Methyl Acetate	4.31	43	504046	47.575	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	1446431	46.900	ug/l	100
20) Methylene Chloride	4.54	84	536736	44.761	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	507352	46.080	ug/l	99
22) Diisopropyl ether	5.93	45	1431758	46.477	ug/l	98
23) Vinyl Acetate	5.88	43	5804413	237.776	ug/l	100
24) 1,1-Dichloroethane	5.84	63	893947	46.060	ug/l	98
25) 2-Butanone	6.82	43	1435805	246.017	ug/l	100
26) 2,2-Dichloropropane	6.81	77	777331	48.817	ug/l	100
27) cis-1,2-Dichloroethene	6.82	96	590270	46.491	ug/l	99
28) Bromochloromethane	7.18	49	426320	49.778	ug/l	100
29) Tetrahydrofuran	7.20	42	845222	226.546	ug/l	98
30) Chloroform	7.36	83	918827	45.320	ug/l	99
31) Cyclohexane	7.65	56	753733	44.435	ug/l	98
32) 1,1,1-Trichloroethane	7.56	97	823369	48.012	ug/l	99
36) 1,1-Dichloropropene	7.78	75	697747	46.944	ug/l	99
37) Ethyl Acetate	6.91	43	549327	45.982	ug/l	98
38) Carbon Tetrachloride	7.76	117	729958	46.232	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	838706	47.660	ug/l	98
40) Benzene	8.03	78	2091394	46.317	ug/l	99
41) Methacrylonitrile	7.17	41	251671m	50.299	ug/l	
42) 1,2-Dichloroethane	8.12	62	685306	47.362	ug/l	99
43) Isopropyl Acetate	8.15	43	1035178	52.615	ug/l	96
44) Trichloroethene	8.83	130	611661	46.731	ug/l	99
45) 1,2-Dichloropropane	9.11	63	545577	47.693	ug/l	100
46) Dibromomethane	9.20	93	358572	46.489	ug/l	99
47) Bromodichloromethane	9.40	83	732820	49.281	ug/l	100
48) Methyl methacrylate	9.19	41	441850	48.535	ug/l	98
49) 1,4-Dioxane	9.19	88	190876	930.383	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	2709357	234.513	ug/l	100
52) Toluene	10.15	92	1356494	48.356	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	798782	50.219	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	881451	49.171	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	513347	46.817	ug/l	99
56) Ethyl methacrylate	10.42	69	753604	48.987	ug/l	99
57) 1,3-Dichloropropane	10.70	76	847273	46.834	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1025430	229.828	ug/l	99
59) 2-Hexanone	10.75	43	2060269	251.340	ug/l	99
60) Dibromochloromethane	10.90	129	596270	48.492	ug/l	100
61) 1,2-Dibromoethane	11.00	107	548432	48.178	ug/l	100
64) Tetrachloroethene	10.63	164	612171	45.051	ug/l	99
65) Chlorobenzene	11.43	112	1481076	47.048	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	569274	46.828	ug/l	99
67) Ethyl Benzene	11.51	91	2601715	48.411	ug/l	100
68) m/p-Xylenes	11.62	106	1981360	98.813	ug/l	99
69) o-Xylene	11.95	106	956997	48.745	ug/l	100
70) Styrene	11.96	104	1617593	53.216	ug/l	99
71) Bromoform	12.13	173	453527	48.687	ug/l #	99
73) Isopropylbenzene	12.25	105	2588141	49.935	ug/l	99
74) N-amyl acetate	12.07	43	764470	48.426	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	700475	49.682	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	571926m	48.552	ug/l	
77) Bromobenzene	12.53	156	694306	49.673	ug/l	99
78) n-propylbenzene	12.59	91	2764593	49.000	ug/l	99
79) 2-Chlorotoluene	12.67	91	1707917	50.237	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2206112	50.236	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	226104	45.250	ug/l	96
82) 4-Chlorotoluene	12.77	91	1654011	45.187	ug/l	100
83) tert-Butylbenzene	12.99	119	1928790	49.593	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2062721	43.644	ug/l	99
85) sec-Butylbenzene	13.17	105	2435928	49.223	ug/l	100
86) p-Isopropyltoluene	13.29	119	2180579	44.184	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1098529	47.248	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1049996	46.430	ug/l	100
89) n-Butylbenzene	13.62	91	1614496	46.639	ug/l	99
90) Hexachloroethane	13.88	117	406765	49.434	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	1062078	46.851	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	100710	44.922	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	442628	50.096	ug/l	99
94) Hexachlorobutadiene	15.01	225	459087	53.391	ug/l	99
95) Naphthalene	15.13	128	752169	52.835	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	388298	49.020	ug/l	98

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

