

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072219\
 Data File : VN056856.D
 Acq On : 22 Jul 2019 15:36
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN072219

Manual Integrations
 APPROVED

MMDadoda
 7/25/2019 3:01:33 PM

Quant Time: Jul 23 02:17:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 23 01:46:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	386023	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	565805	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	509875	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	230423	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	189215	45.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.90%	
35) Dibromofluoromethane	7.59	113	169558	47.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.56%	
50) Toluene-d8	10.09	98	658855	48.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.04%	
62) 4-Bromofluorobenzene	12.40	95	225303	50.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	229893	48.714	ug/l	99
3) Chloromethane	2.06	50	257971	47.883	ug/l	98
4) Vinyl Chloride	2.18	62	240479	48.590	ug/l	98
5) Bromomethane	2.55	94	143514	47.673	ug/l	100
6) Chloroethane	2.69	64	129223	47.645	ug/l	97
7) Trichlorofluoromethane	3.01	101	294041	48.631	ug/l	96
8) Diethyl Ether	3.40	74	106130	47.108	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	184866	49.438	ug/l	98
10) Methyl Iodide	3.94	142	239696	45.612	ug/l	100
11) Tert butyl alcohol	4.81	59	146101	249.782	ug/l	99
12) 1,1-Dichloroethene	3.72	96	179709	47.972	ug/l	99
13) Acrolein	3.60	56	107730	221.357	ug/l	98
14) Allyl chloride	4.31	41	303182	49.228	ug/l	99
15) Acrylonitrile	4.99	53	435760	247.586	ug/l	100
16) Acetone	3.82	43	391151	263.802	ug/l	100
17) Carbon Disulfide	4.04	76	486500	47.582	ug/l	100
18) Methyl Acetate	4.32	43	233700	48.015	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	542316	49.000	ug/l	100
20) Methylene Chloride	4.54	84	205408	46.329	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	191394	48.911	ug/l	96
22) Diisopropyl ether	5.95	45	611129	49.083	ug/l	98
23) Vinyl Acetate	5.89	43	2252563	250.453	ug/l	100
24) 1,1-Dichloroethane	5.84	63	354213	49.103	ug/l	100
25) 2-Butanone	6.84	43	569343	261.232	ug/l	98
26) 2,2-Dichloropropane	6.82	77	267737	53.041	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	220904	49.242	ug/l	99
28) Bromochloromethane	7.19	49	163545	49.945	ug/l	99
29) Tetrahydrofuran	7.21	42	369928	246.871	ug/l	100
30) Chloroform	7.37	83	342620	47.378	ug/l	97
31) Cyclohexane	7.65	56	340586	48.664	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	288204	49.264	ug/l	99
36) 1,1-Dichloropropene	7.79	75	269341	51.619	ug/l	99
37) Ethyl Acetate	6.93	43	224501	53.353	ug/l	100
38) Carbon Tetrachloride	7.77	117	251007	50.533	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	346089	53.005	ug/l	99
40) Benzene	8.04	78	805595	49.704	ug/l	99
41) Methacrylonitrile	7.17	41	114077	54.603	ug/l	94
42) 1,2-Dichloroethane	8.12	62	250372	49.439	ug/l	99
43) Isopropyl Acetate	8.17	43	366065	50.606	ug/l #	91
44) Trichloroethene	8.83	130	220582	50.814	ug/l	99
45) 1,2-Dichloropropane	9.12	63	216692	49.629	ug/l	99
46) Dibromomethane	9.21	93	133006	49.353	ug/l	99
47) Bromodichloromethane	9.40	83	259166	51.136	ug/l	97
48) Methyl methacrylate	9.20	41	181865	50.258	ug/l	100
49) 1,4-Dioxane	9.20	88	76008	1070.826	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1111041	257.566	ug/l	100
52) Toluene	10.15	92	506528	51.935	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	277781	53.403	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	322343	52.564	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	192796	49.804	ug/l	99
56) Ethyl methacrylate	10.43	69	291112	54.172	ug/l	98
57) 1,3-Dichloropropane	10.71	76	328704	51.298	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	631167	249.462	ug/l	100
59) 2-Hexanone	10.75	43	805819	269.880	ug/l	100
60) Dibromochloromethane	10.90	129	204060	52.532	ug/l	100
61) 1,2-Dibromoethane	11.00	107	199762	51.959	ug/l	99
64) Tetrachloroethene	10.63	164	220567	50.425	ug/l	98
65) Chlorobenzene	11.43	112	540555	51.016	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	199940	50.052	ug/l	100
67) Ethyl Benzene	11.51	91	964737	52.742	ug/l	100
68) m/p-Xylenes	11.62	106	724187	105.754	ug/l	99
69) o-Xylene	11.94	106	349853	52.335	ug/l	99
70) Styrene	11.96	104	592234	50.482	ug/l	100
71) Bromoform	12.13	173	145486	52.556	ug/l #	100
73) Isopropylbenzene	12.25	105	941943	54.157	ug/l	100
74) N-amyl acetate	12.07	43	318917	47.139	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	255940	51.302	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	204462m	42.816	ug/l	
77) Bromobenzene	12.52	156	242938	48.335	ug/l	99
78) n-propylbenzene	12.59	91	1054722	49.799	ug/l	100
79) 2-Chlorotoluene	12.67	91	621921	53.632	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	792304	53.843	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	79316	53.197	ug/l	97
82) 4-Chlorotoluene	12.77	91	621370	49.312	ug/l	100
83) tert-Butylbenzene	12.99	119	684415	53.640	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	787971	49.361	ug/l	100
85) sec-Butylbenzene	13.17	105	911836	48.607	ug/l	99
86) p-Isopropyltoluene	13.29	119	833313	49.863	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	399584	49.596	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	390390	49.878	ug/l	100
89) n-Butylbenzene	13.61	91	686535	53.431	ug/l	100
90) Hexachloroethane	13.87	117	137294	47.055	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	393393	48.580	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	41296	46.838	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	197966	45.856	ug/l	100
94) Hexachlorobutadiene	15.01	225	146267	54.388	ug/l	99
95) Naphthalene	15.13	128	504695	45.371	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	210143	47.418	ug/l	100

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

