

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072319\
 Data File : VN056872.D
 Acq On : 23 Jul 2019 12:34
 Operator : JC/SP
 Sample : VN0723WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0723WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/24/2019 1:14:00 PM

Quant Time: Jul 24 01:39:22 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	385932	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	579062	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	512153	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	209854	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	197316	47.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.86%	
35) Dibromofluoromethane	7.59	113	176910	48.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.40%	
50) Toluene-d8	10.09	98	674319	48.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.04%	
62) 4-Bromofluorobenzene	12.40	95	215618	46.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	94916	19.849	ug/l	98
3) Chloromethane	2.06	50	110628	20.539	ug/l	98
4) Vinyl Chloride	2.19	62	100076	20.225	ug/l	98
5) Bromomethane	2.55	94	58190	19.334	ug/l	96
6) Chloroethane	2.70	64	55617	20.511	ug/l	95
7) Trichlorofluoromethane	3.01	101	123756	20.473	ug/l	100
8) Diethyl Ether	3.40	74	45085	20.017	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	78445	20.983	ug/l	97
10) Methyl Iodide	3.94	142	97130	18.562	ug/l	99
11) Tert butyl alcohol	4.81	59	67852	116.031	ug/l #	85
12) 1,1-Dichloroethene	3.73	96	75009	20.028	ug/l	99
13) Acrolein	3.60	56	38148	78.403	ug/l	96
14) Allyl chloride	4.31	41	122571	19.907	ug/l	99
15) Acrylonitrile	4.99	53	185857	105.623	ug/l	99
16) Acetone	3.82	43	167025	112.672	ug/l	100
17) Carbon Disulfide	4.04	76	194871	19.064	ug/l	100
18) Methyl Acetate	4.33	43	105379	20.608	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	226161	20.439	ug/l	100
20) Methylene Chloride	4.54	84	91240	20.584	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	79480	20.316	ug/l	96
22) Diisopropyl ether	5.96	45	259513	20.848	ug/l	98
23) Vinyl Acetate	5.90	43	930492	103.482	ug/l	99
24) 1,1-Dichloroethane	5.85	63	146898	20.368	ug/l	100
25) 2-Butanone	6.84	43	241687	110.919	ug/l	100
26) 2,2-Dichloropropane	6.82	77	107993	21.399	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	91612	20.426	ug/l	99
28) Bromochloromethane	7.19	49	65863	20.119	ug/l	99
29) Tetrahydrofuran	7.21	42	161060	107.509	ug/l	100
30) Chloroform	7.37	83	144582	19.998	ug/l	98
31) Cyclohexane	7.65	56	139994	20.008	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	120366	20.579	ug/l	100
36) 1,1-Dichloropropene	7.79	75	110027	20.604	ug/l	98
37) Ethyl Acetate	6.93	43	98138	22.789	ug/l	99
38) Carbon Tetrachloride	7.77	117	102733	20.209	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	134107	20.069	ug/l	96
40) Benzene	8.04	78	338224	20.390	ug/l	100
41) Methacrylonitrile	7.18	41	44700m	20.906	ug/l	
42) 1,2-Dichloroethane	8.12	62	106317	20.513	ug/l	100
43) Isopropyl Acetate	8.17	43	154938	20.929	ug/l	99
44) Trichloroethene	8.83	130	91433	20.581	ug/l	99
45) 1,2-Dichloropropane	9.12	63	90237	20.194	ug/l	100
46) Dibromomethane	9.21	93	56196	20.375	ug/l	99
47) Bromodichloromethane	9.40	83	105110	20.264	ug/l	96
48) Methyl methacrylate	9.20	41	77628	20.961	ug/l	99
49) 1,4-Dioxane	9.20	88	31597	434.958	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	476829	108.010	ug/l	99
52) Toluene	10.15	92	208034	20.841	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	110397	20.738	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	128416	20.461	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	82330	20.781	ug/l	98
56) Ethyl methacrylate	10.43	69	116958	21.266	ug/l	99
57) 1,3-Dichloropropane	10.71	76	137212	20.923	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	228494	91.926	ug/l	99
59) 2-Hexanone	10.75	43	340613	111.464	ug/l	99
60) Dibromochloromethane	10.90	129	82272	20.695	ug/l	99
61) 1,2-Dibromoethane	11.00	107	84375	21.444	ug/l	100
64) Tetrachloroethene	10.63	164	95932	21.834	ug/l	98
65) Chlorobenzene	11.43	112	219795	20.652	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	82675	20.605	ug/l	99
67) Ethyl Benzene	11.51	91	385351	20.973	ug/l	99
68) m/p-Xylenes	11.62	106	285958	41.573	ug/l	98
69) o-Xylene	11.94	106	139280	20.742	ug/l	98
70) Styrene	11.96	104	228252	19.689	ug/l	99
71) Bromoform	12.12	173	57279	20.600	ug/l #	100
73) Isopropylbenzene	12.25	105	368142	20.942	ug/l	100
74) N-amyl acetate	12.07	43	124454	20.198	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	108164	21.704	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	92496m	21.268	ug/l	
77) Bromobenzene	12.52	156	96505	21.083	ug/l	100
78) n-propylbenzene	12.59	91	397964	20.632	ug/l	99
79) 2-Chlorotoluene	12.67	91	244273	21.208	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	311397	21.104	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	28209	20.774	ug/l	93
82) 4-Chlorotoluene	12.77	91	234027	20.393	ug/l	100
83) tert-Butylbenzene	12.99	119	263279	20.579	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	303626	20.884	ug/l	100
85) sec-Butylbenzene	13.17	105	348877	20.420	ug/l	99
86) p-Isopropyltoluene	13.29	119	305621	20.080	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	149835	20.420	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	141784	19.890	ug/l	99
89) n-Butylbenzene	13.61	91	241045	20.598	ug/l	99
90) Hexachloroethane	13.87	117	52430	19.731	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	151047	20.481	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15971	19.890	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	60168	18.055	ug/l	99
94) Hexachlorobutadiene	15.01	225	55074	20.874	ug/l	98
95) Naphthalene	15.13	128	155006	17.704	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	68430	18.541	ug/l	100

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

