

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070119\
 Data File : VN056567.D
 Acq On : 1 Jul 2019 13:14
 Operator : JC/SP
 Sample : VN0701WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0701WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/3/2019 9:16:08 AM

Quant Time: Jul 02 01:39:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	330931	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	502506	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	440515	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	150052	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	188880	51.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.00%	
35) Dibromofluoromethane	7.59	113	163748	52.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.48%	
50) Toluene-d8	10.09	98	601087	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	
62) 4-Bromofluorobenzene	12.40	95	187631	46.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	51222	18.280	ug/l	100
3) Chloromethane	2.06	50	62774	16.453	ug/l	99
4) Vinyl Chloride	2.18	62	65234	17.702	ug/l	97
5) Bromomethane	2.53	94	40937m	18.949	ug/l	
6) Chloroethane	2.68	64	38125	17.865	ug/l	96
7) Trichlorofluoromethane	3.00	101	92269	19.356	ug/l	98
8) Diethyl Ether	3.41	74	37917	18.795	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.75	101	59337	19.519	ug/l	99
10) Methyl Iodide	3.95	142	70688	17.205	ug/l	98
11) Tert butyl alcohol	4.80	59	60931	98.635	ug/l	99
12) 1,1-Dichloroethene	3.73	96	53559	18.321	ug/l	99
13) Acrolein	3.61	56	24113	46.314	ug/l	98
14) Allyl chloride	4.32	41	92816	19.073	ug/l	99
15) Acrylonitrile	4.99	53	177221	103.700	ug/l	99
16) Acetone	3.82	43	164249	89.383	ug/l	100
17) Carbon Disulfide	4.05	76	100739	15.150	ug/l	100
18) Methyl Acetate	4.33	43	77918	21.149	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	192741	19.925	ug/l	99
20) Methylene Chloride	4.55	84	67823	19.027	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	58365	18.518	ug/l	99
22) Diisopropyl ether	5.96	45	206247	20.181	ug/l	97
23) Vinyl Acetate	5.90	43	831146	103.109	ug/l	99
24) 1,1-Dichloroethane	5.85	63	118293	20.164	ug/l	98
25) 2-Butanone	6.84	43	240511	98.892	ug/l	99
26) 2,2-Dichloropropane	6.82	77	81682	20.019	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	72202	19.580	ug/l	98
28) Bromochloromethane	7.19	49	60346	20.796	ug/l	100
29) Tetrahydrofuran	7.21	42	155696	104.758	ug/l	99
30) Chloroform	7.37	83	117581	20.311	ug/l	100
31) Cyclohexane	7.65	56	99645	17.593	ug/l #	96
32) 1,1,1-Trichloroethane	7.57	97	92653	20.192	ug/l	99
36) 1,1-Dichloropropene	7.79	75	80603	18.224	ug/l	99
37) Ethyl Acetate	6.93	43	94670	21.780	ug/l	99
38) Carbon Tetrachloride	7.77	117	74937	19.375	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	93971	17.218	ug/l	98
40) Benzene	8.04	78	266467	19.586	ug/l	99
41) Methacrylonitrile	7.18	41	43970m	22.909	ug/l	
42) 1,2-Dichloroethane	8.12	62	90308	20.113	ug/l	99
43) Isopropyl Acetate	8.17	43	136847	20.418	ug/l	98
44) Trichloroethene	8.84	130	69346	18.922	ug/l	95
45) 1,2-Dichloropropane	9.12	63	73763	20.273	ug/l	99
46) Dibromomethane	9.21	93	47054	20.671	ug/l	97
47) Bromodichloromethane	9.40	83	84021	20.811	ug/l	99
48) Methyl methacrylate	9.20	41	64392	19.172	ug/l	98
49) 1,4-Dioxane	9.21	88	27753	398.176	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	445365	102.952	ug/l	99
52) Toluene	10.16	92	162470	19.533	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	82172	19.356	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	98368	20.233	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	70425	21.064	ug/l	97
56) Ethyl methacrylate	10.43	69	94485	19.337	ug/l	98
57) 1,3-Dichloropropane	10.71	76	113743	20.251	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	133893	76.277	ug/l	100
59) 2-Hexanone	10.75	43	314229	98.832	ug/l	99
60) Dibromochloromethane	10.90	129	63390	19.949	ug/l	97
61) 1,2-Dibromoethane	11.00	107	68518	20.065	ug/l	99
64) Tetrachloroethene	10.63	164	68084	19.517	ug/l	97
65) Chlorobenzene	11.43	112	172246	19.459	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	63691	21.290	ug/l	98
67) Ethyl Benzene	11.51	91	291766	18.773	ug/l	100
68) m/p-Xylenes	11.62	106	212910	37.380	ug/l	98
69) o-Xylene	11.95	106	106761	18.946	ug/l	99
70) Styrene	11.96	104	168287	18.684	ug/l	99
71) Bromoform	12.13	173	42151	19.510	ug/l #	98
73) Isopropylbenzene	12.25	105	285489	23.930	ug/l	100
74) N-amyl acetate	12.07	43	105466	22.085	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	94784	25.669	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	76052m	24.443	ug/l	
77) Bromobenzene	12.53	156	71523	21.317	ug/l	96
78) n-propylbenzene	12.59	91	281093	20.456	ug/l	99
79) 2-Chlorotoluene	12.67	91	184957	23.191	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	223415	22.412	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	18885	21.573	ug/l	93
82) 4-Chlorotoluene	12.77	91	162172	19.988	ug/l	100
83) tert-Butylbenzene	12.99	119	203046	23.196	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	205329	20.327	ug/l	99
85) sec-Butylbenzene	13.17	105	251630	20.834	ug/l	99
86) p-Isopropyltoluene	13.29	119	202778	19.564	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	100685	19.802	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	93591	19.006	ug/l	99
89) n-Butylbenzene	13.61	91	128704	16.402	ug/l	99
90) Hexachloroethane	13.87	117	37134	22.980	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	103488	20.514	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12359	22.260	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	28591	15.275	ug/l	98
94) Hexachlorobutadiene	15.01	225	37993	21.140	ug/l	98
95) Naphthalene	15.13	128	82628	16.017	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	33606	15.721	ug/l	98

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

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