

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062119\
 Data File : VN056431.D
 Acq On : 21 Jun 2019 17:13
 Operator : JC/SP
 Sample : VN0621WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621WBSD02

Manual Integrations
 APPROVED

MMDadoda
 6/24/2019 4:16:06 PM

Quant Time: Jun 24 09:29:08 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	7.66	168	376922	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	594248	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	514224	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	194110	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	217817	52.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.28%	
35) Dibromofluoromethane	7.59	113	186280	50.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.50%	
50) Toluene-d8	10.09	98	715075	49.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.14%	
62) 4-Bromofluorobenzene	12.40	95	233829	48.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	64386	20.174	ug/l	99
3) Chloromethane	2.06	50	83334	19.176	ug/l	100
4) Vinyl Chloride	2.18	62	85684	20.414	ug/l	98
5) Bromomethane	2.53	94	54508m	22.152	ug/l	
6) Chloroethane	2.68	64	49172	20.230	ug/l	98
7) Trichlorofluoromethane	3.00	101	111070	20.457	ug/l	98
8) Diethyl Ether	3.41	74	48559	21.133	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	68979	19.922	ug/l	98
10) Methyl Iodide	3.95	142	92320	19.728	ug/l	99
11) Tert butyl alcohol	4.80	59	66262	94.177	ug/l	96
12) 1,1-Dichloroethene	3.73	96	68236	20.493	ug/l	96
13) Acrolein	3.60	56	49451	83.391	ug/l	100
14) Allyl chloride	4.32	41	111176	20.058	ug/l	99
15) Acrylonitrile	4.99	53	203900	104.753	ug/l	99
16) Acetone	3.82	43	188452	90.041	ug/l	99
17) Carbon Disulfide	4.05	76	133001	17.562	ug/l	99
18) Methyl Acetate	4.32	43	91394	21.806	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	232379	21.091	ug/l	100
20) Methylene Chloride	4.55	84	83854	20.732	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	71715	19.977	ug/l	96
22) Diisopropyl ether	5.95	45	244173	20.976	ug/l	97
23) Vinyl Acetate	5.90	43	982152	106.975	ug/l	100
24) 1,1-Dichloroethane	5.85	63	139367	20.857	ug/l	98
25) 2-Butanone	6.84	43	275649	99.510	ug/l	97
26) 2,2-Dichloropropane	6.82	77	89269	19.209	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	86777	20.661	ug/l	99
28) Bromochloromethane	7.19	49	68525	20.733	ug/l	97
29) Tetrahydrofuran	7.21	42	180404	106.572	ug/l	99
30) Chloroform	7.37	83	137997	20.929	ug/l	98
31) Cyclohexane	7.65	56	127359	19.743	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	107505	20.570	ug/l	99
36) 1,1-Dichloropropene	7.79	75	100554	19.225	ug/l	98
37) Ethyl Acetate	6.93	43	109926	21.386	ug/l	99
38) Carbon Tetrachloride	7.77	117	87782	19.192	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	122287	18.948	ug/l	100
40) Benzene	8.04	78	318105	19.772	ug/l	100
41) Methacrylonitrile	7.18	41	52772	23.250	ug/l #	85
42) 1,2-Dichloroethane	8.12	62	107437	20.234	ug/l	99
43) Isopropyl Acetate	8.17	43	163223	20.593	ug/l #	92
44) Trichloroethene	8.83	130	86433	19.943	ug/l	98
45) 1,2-Dichloropropane	9.12	63	87922	20.434	ug/l	99
46) Dibromomethane	9.21	93	55949	20.784	ug/l	99
47) Bromodichloromethane	9.40	83	94911	19.879	ug/l	99
48) Methyl methacrylate	9.20	41	82642	20.807	ug/l	96
49) 1,4-Dioxane	9.20	88	30953	375.528	ug/l	92
51) 4-Methyl-2-Pentanone	9.99	43	528404	103.290	ug/l	100
52) Toluene	10.16	92	198461	20.176	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	96451	19.233	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	116363	20.239	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	82036	20.749	ug/l	98
56) Ethyl methacrylate	10.43	69	120222	20.806	ug/l	98
57) 1,3-Dichloropropane	10.71	76	135964	20.470	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	200120	96.405	ug/l	100
59) 2-Hexanone	10.75	43	372223	98.998	ug/l	100
60) Dibromochloromethane	10.90	129	71558	19.151	ug/l	99
61) 1,2-Dibromoethane	11.00	107	83684	20.723	ug/l	99
64) Tetrachloroethene	10.63	164	85816	21.073	ug/l	98
65) Chlorobenzene	11.43	112	206066	19.943	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	71400	20.446	ug/l	97
67) Ethyl Benzene	11.51	91	365296	20.135	ug/l	100
68) m/p-Xylenes	11.62	106	270090	40.622	ug/l	99
69) o-Xylene	11.95	106	134482	20.444	ug/l	100
70) Styrene	11.96	104	217163	20.654	ug/l	100
71) Bromoform	12.13	173	47855	19.061	ug/l #	98
73) Isopropylbenzene	12.25	105	356342	22.989	ug/l	99
74) N-amyl acetate	12.07	43	128760	20.843	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	112877	23.371	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	96247m	23.913	ug/l	
77) Bromobenzene	12.53	156	91682	21.123	ug/l	99
78) n-propylbenzene	12.59	91	369575	20.791	ug/l	100
79) 2-Chlorotoluene	12.67	91	231625	22.365	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	289707	22.471	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	21927	19.362	ug/l	92
82) 4-Chlorotoluene	12.77	91	210766	20.081	ug/l	98
83) tert-Butylbenzene	12.99	119	263527	23.282	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	270774	20.721	ug/l	99
85) sec-Butylbenzene	13.17	105	329077	21.062	ug/l	100
86) p-Isopropyltoluene	13.29	119	280671	20.932	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	133022	20.224	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	124806	19.592	ug/l	100
89) n-Butylbenzene	13.61	91	190714	18.788	ug/l	99
90) Hexachloroethane	13.87	117	41013	19.619	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	135701	20.794	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14303	19.914	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	43991	17.105	ug/l	98
94) Hexachlorobutadiene	15.01	225	48883	21.015	ug/l	99
95) Naphthalene	15.13	128	130124	18.359	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	52671	18.098	ug/l	100

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

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