

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081919\
 Data File : VN057416.D
 Acq On : 19 Aug 2019 22:48
 Operator : JC/SP
 Sample : VN0819WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0819WBS02

Manual Integrations
 APPROVED

MMDadoda
 8/21/2019 9:45:33 AM

Quant Time: Aug 20 09:02:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 15 11:33:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	814085	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1212998	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	1086023	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	394813	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	426702	48.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.42%	
35) Dibromofluoromethane	7.58	113	393019	49.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.86%	
50) Toluene-d8	10.08	98	1433623	49.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.58%	
62) 4-Bromofluorobenzene	12.40	95	460865	44.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	130397	18.614	ug/l	98
3) Chloromethane	2.05	50	142767	17.267	ug/l	100
4) Vinyl Chloride	2.18	62	142003	18.255	ug/l	99
5) Bromomethane	2.54	94	113998m	20.559	ug/l	
6) Chloroethane	2.69	64	99924	18.675	ug/l	100
7) Trichlorofluoromethane	3.02	101	237095	19.431	ug/l	98
8) Diethyl Ether	3.40	74	86960	18.935	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	140311	19.572	ug/l	98
10) Methyl Iodide	3.95	142	233207	20.352	ug/l	97
11) Tert butyl alcohol	4.76	59	112852	89.696	ug/l	99
12) 1,1-Dichloroethene	3.73	96	139117	19.477	ug/l	99
13) Acrolein	3.60	56	39745	52.037	ug/l	97
14) Allyl chloride	4.31	41	203608	17.783	ug/l	97
15) Acrylonitrile	4.97	53	317912	93.072	ug/l	100
16) Acetone	3.80	43	241348	78.614	ug/l	99
17) Carbon Disulfide	4.05	76	338890	17.611	ug/l	99
18) Methyl Acetate	4.31	43	179929	20.507	ug/l	98
19) Methyl tert-butyl Ether	5.03	73	448250	20.000	ug/l	100
20) Methylene Chloride	4.54	84	165695	19.290	ug/l	92
21) trans-1,2-Dichloroethene	5.03	96	150446	19.586	ug/l	96
22) Diisopropyl ether	5.94	45	435744	19.266	ug/l	99
23) Vinyl Acetate	5.88	43	1654260	90.879	ug/l	98
24) 1,1-Dichloroethane	5.83	63	268304	19.281	ug/l	99
25) 2-Butanone	6.82	43	387153	87.084	ug/l	95
26) 2,2-Dichloropropane	6.82	77	185063	16.456	ug/l	98
27) cis-1,2-Dichloroethene	6.82	96	179003	19.685	ug/l	96
28) Bromochloromethane	7.19	49	114014	18.441	ug/l	92
29) Tetrahydrofuran	7.20	42	254709	90.531	ug/l	97
30) Chloroform	7.36	83	289751	19.870	ug/l	98
31) Cyclohexane	7.64	56	220660	18.299	ug/l	93
32) 1,1,1-Trichloroethane	7.56	97	253154	20.640	ug/l	98
36) 1,1-Dichloropropene	7.78	75	203015	18.956	ug/l	99
37) Ethyl Acetate	6.91	43	163365	18.624	ug/l	99
38) Carbon Tetrachloride	7.76	117	219981	19.769	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	226579	18.118	ug/l	97
40) Benzene	8.03	78	634926	19.382	ug/l	99
41) Methacrylonitrile	7.17	41	80795m	20.453	ug/l	
42) 1,2-Dichloroethane	8.12	62	210037	19.373	ug/l	100
43) Isopropyl Acetate	8.15	43	300687	18.022	ug/l	93
44) Trichloroethene	8.83	130	183580	19.933	ug/l	96
45) 1,2-Dichloropropane	9.11	63	163065	19.312	ug/l	98
46) Dibromomethane	9.20	93	110613	19.637	ug/l	97
47) Bromodichloromethane	9.40	83	222333	19.921	ug/l	96
48) Methyl methacrylate	9.19	41	134069	18.560	ug/l	99
49) 1,4-Dioxane	9.19	88	55027	362.242	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	818527	90.450	ug/l	99
52) Toluene	10.15	92	404792	19.853	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	229107	18.978	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	257205	19.321	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	160643	20.037	ug/l	99
56) Ethyl methacrylate	10.43	69	223504	19.102	ug/l	98
57) 1,3-Dichloropropane	10.70	76	261441	19.520	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	215888	74.697	ug/l	99
59) 2-Hexanone	10.75	43	567783	87.271	ug/l	98
60) Dibromochloromethane	10.90	129	185769	20.676	ug/l	98
61) 1,2-Dibromoethane	11.00	107	171403	20.069	ug/l	100
64) Tetrachloroethene	10.63	164	194084	20.673	ug/l	98
65) Chlorobenzene	11.43	112	442918	19.996	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	176783	20.840	ug/l	99
67) Ethyl Benzene	11.51	91	754808	19.478	ug/l	99
68) m/p-Xylenes	11.62	106	563776	39.486	ug/l	99
69) o-Xylene	11.95	106	279957	19.970	ug/l	98
70) Styrene	11.96	104	444797	19.904	ug/l	99
71) Bromoform	12.13	173	139836	20.895	ug/l #	100
73) Isopropylbenzene	12.25	105	741713	21.707	ug/l	98
74) N-amyl acetate	12.07	43	201982	17.630	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	209187	21.265	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	171367m	20.963	ug/l	
77) Bromobenzene	12.53	156	201515	22.631	ug/l	94
78) n-propylbenzene	12.59	91	730299	19.209	ug/l	98
79) 2-Chlorotoluene	12.67	91	476273	21.571	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	610488	21.671	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	58876	18.184	ug/l	99
82) 4-Chlorotoluene	12.77	91	416718	18.497	ug/l	96
83) tert-Butylbenzene	12.99	119	550936	21.901	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	575668	20.244	ug/l	98
85) sec-Butylbenzene	13.17	105	639068	20.504	ug/l	99
86) p-Isopropyltoluene	13.29	119	565477	19.423	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	274340	19.832	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	252518	19.230	ug/l	99
89) n-Butylbenzene	13.62	91	425132	20.483	ug/l	100
90) Hexachloroethane	13.88	117	116186	22.167	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	261569	20.284	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	24243	17.219	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	62429	16.165	ug/l	98
94) Hexachlorobutadiene	15.01	225	121756	22.105	ug/l	97
95) Naphthalene	15.13	128	125753	19.708	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	60937	19.334	ug/l	99

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

