

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072219\
 Data File : VN056852.D
 Acq On : 22 Jul 2019 12:45
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 7/25/2019 3:01:14 PM

Quant Time: Jul 23 01:25:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 23 01:05:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	346869	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	525404	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	460565	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	183185	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	79906	20.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.98%	
35) Dibromofluoromethane	7.59	113	69910	21.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.62%	
50) Toluene-d8	10.09	98	269233	21.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.54%	
62) 4-Bromofluorobenzene	12.40	95	82716	19.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	86485	24.777	ug/l	98
3) Chloromethane	2.06	50	98828	21.717	ug/l	100
4) Vinyl Chloride	2.18	62	92706	21.308	ug/l	99
5) Bromomethane	2.56	94	54447	21.337	ug/l	98
6) Chloroethane	2.70	64	49977	20.022	ug/l	98
7) Trichlorofluoromethane	3.01	101	111189	20.234	ug/l	99
8) Diethyl Ether	3.41	74	40366	19.171	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	68524	20.704	ug/l	98
10) Methyl Iodide	3.94	142	89428	20.058	ug/l	98
11) Tert butyl alcohol	4.81	59	54244	86.858	ug/l	98
12) 1,1-Dichloroethene	3.73	96	68506	20.647	ug/l	98
13) Acrolein	3.60	56	38844	135.691	ug/l	99
14) Allyl chloride	4.32	41	108869	19.192	ug/l	99
15) Acrylonitrile	4.99	53	160682	88.164	ug/l	98
16) Acetone	3.82	43	128748	75.816	ug/l	97
17) Carbon Disulfide	4.04	76	177082	20.048	ug/l	99
18) Methyl Acetate	4.33	43	92338	19.012	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	198616	19.015	ug/l	98
20) Methylene Chloride	4.55	84	78477	20.003	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	71524	20.468	ug/l	93
22) Diisopropyl ether	5.96	45	228728	20.326	ug/l	98
23) Vinyl Acetate	5.90	43	808434	90.624	ug/l	100
24) 1,1-Dichloroethane	5.84	63	130875	20.041	ug/l	99
25) 2-Butanone	6.84	43	194098	77.489	ug/l	100
26) 2,2-Dichloropropane	6.82	77	90109	19.338	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	81789	20.397	ug/l	99
28) Bromochloromethane	7.19	49	60771	19.942	ug/l	100
29) Tetrahydrofuran	7.22	42	135582	82.389	ug/l	100
30) Chloroform	7.37	83	130529	19.958	ug/l	98
31) Cyclohexane	7.65	56	125537	20.172	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	106195	20.511	ug/l	99
36) 1,1-Dichloropropene	7.79	75	97510	19.781	ug/l	99
37) Ethyl Acetate	6.93	43	83509	17.785	ug/l	99
38) Carbon Tetrachloride	7.77	117	92911	20.106	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	120752	19.849	ug/l	98
40) Benzene	8.04	78	304174	20.145	ug/l	99
41) Methacrylonitrile	7.18	41	41770m	19.990	ug/l	
42) 1,2-Dichloroethane	8.12	62	96826	20.358	ug/l	100
43) Isopropyl Acetate	8.17	43	132783	17.858	ug/l	99
44) Trichloroethene	8.83	130	81415	19.835	ug/l	99
45) 1,2-Dichloropropane	9.12	63	81802	20.436	ug/l	99
46) Dibromomethane	9.21	93	49690	20.092	ug/l	99
47) Bromodichloromethane	9.40	83	93690	19.890	ug/l	96
48) Methyl methacrylate	9.20	41	66930	18.510	ug/l	100
49) 1,4-Dioxane	9.20	88	27021	361.659	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	406822	85.161	ug/l	99
52) Toluene	10.15	92	186275	20.743	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	94675	19.327	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	114636	20.112	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	72148	19.328	ug/l	98
56) Ethyl methacrylate	10.43	69	101590	19.134	ug/l	99
57) 1,3-Dichloropropane	10.71	76	119980	19.656	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	211378	84.542	ug/l	98
59) 2-Hexanone	10.75	43	281883	83.043	ug/l	97
60) Dibromochloromethane	10.90	129	73038	19.870	ug/l	99
61) 1,2-Dibromoethane	11.00	107	73025	19.667	ug/l	99
64) Tetrachloroethene	10.63	164	79594	19.742	ug/l	98
65) Chlorobenzene	11.43	112	192475	20.172	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	72700	20.708	ug/l	99
67) Ethyl Benzene	11.51	91	339392	20.270	ug/l	100
68) m/p-Xylenes	11.62	106	253279	40.497	ug/l	100
69) o-Xylene	11.94	106	122472	19.913	ug/l	97
70) Styrene	11.96	104	199335	20.069	ug/l	99
71) Bromoform	12.12	173	49288	18.742	ug/l #	100
73) Isopropylbenzene	12.25	105	326620	21.731	ug/l	99
74) N-amyl acetate	12.07	43	106598	19.473	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	94711	19.100	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	79864m	20.059	ug/l	
77) Bromobenzene	12.52	156	83361	21.221	ug/l	99
78) n-propylbenzene	12.59	91	343318	20.679	ug/l	99
79) 2-Chlorotoluene	12.67	91	213931	20.823	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	276506	21.763	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	23552	18.356	ug/l	94
82) 4-Chlorotoluene	12.77	91	198202	20.330	ug/l	99
83) tert-Butylbenzene	12.99	119	236996	21.380	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	267938	21.629	ug/l	100
85) sec-Butylbenzene	13.17	105	302835	21.416	ug/l	99
86) p-Isopropyltoluene	13.28	119	272427	21.309	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	128448	20.108	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	123871	19.941	ug/l	99
89) n-Butylbenzene	13.61	91	206013	20.122	ug/l	99
90) Hexachloroethane	13.87	117	45148	21.663	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	129581	19.867	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13576	17.488	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	50961	17.347	ug/l	99
94) Hexachlorobutadiene	15.01	225	47125	20.047	ug/l	98
95) Naphthalene	15.13	128	128839	16.411	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	59186	19.274	ug/l	99

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

