

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071519\
 Data File : VN056699.D
 Acq On : 15 Jul 2019 9:33
 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
 7/17/2019 1:31:17 AM

Quant Time: Jul 16 01:18:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 01:03:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	336050	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	520326	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	457163	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	191234	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	78513	21.16	ug/l	0.00
Spiked Amount						
			Recovery	=	42.32%	
35) Dibromofluoromethane	7.59	113	67791	20.98	ug/l	0.00
Spiked Amount						
			Recovery	=	41.96%	
50) Toluene-d8	10.09	98	257464	20.47	ug/l	0.00
Spiked Amount						
			Recovery	=	40.94%	
62) 4-Bromofluorobenzene	12.40	95	83652	19.92	ug/l	0.00
Spiked Amount						
			Recovery	=	39.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	61269	21.426	ug/l	100
3) Chloromethane	2.06	50	82625	21.155	ug/l	95
4) Vinyl Chloride	2.18	62	81060	21.504	ug/l	99
5) Bromomethane	2.55	94	49013	22.358	ug/l	98
6) Chloroethane	2.70	64	45394	20.880	ug/l	99
7) Trichlorofluoromethane	3.01	101	103531	21.254	ug/l	100
8) Diethyl Ether	3.41	74	40400	19.689	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	62099	20.092	ug/l	100
10) Methyl Iodide	3.95	142	83086	20.001	ug/l	99
11) Tert butyl alcohol	4.79	59	61495	98.502	ug/l	99
12) 1,1-Dichloroethene	3.73	96	62911	21.115	ug/l	96
13) Acrolein	3.61	56	19005	41.094	ug/l	97
14) Allyl chloride	4.32	41	106147	21.231	ug/l	98
15) Acrylonitrile	4.99	53	182076	104.442	ug/l	99
16) Acetone	3.82	43	185044	100.705	ug/l	98
17) Carbon Disulfide	4.05	76	160410	23.072	ug/l	99
18) Methyl Acetate	4.33	43	80103	17.013	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	199797	20.313	ug/l	99
20) Methylene Chloride	4.55	84	73726	19.205	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	66910	20.795	ug/l	97
22) Diisopropyl ether	5.95	45	220819	21.135	ug/l	96
23) Vinyl Acetate	5.90	43	900269	109.195	ug/l	99
24) 1,1-Dichloroethane	5.85	63	125355	20.933	ug/l	98
25) 2-Butanone	6.84	43	257997	104.652	ug/l	100
26) 2,2-Dichloropropane	6.82	77	89414	21.281	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	77167	20.564	ug/l	99
28) Bromochloromethane	7.19	49	60177	20.479	ug/l	98
29) Tetrahydrofuran	7.21	42	165313	108.130	ug/l	99
30) Chloroform	7.37	83	122928	20.838	ug/l	96
31) Cyclohexane	7.65	56	119810	20.609	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	100195	21.364	ug/l	99
36) 1,1-Dichloropropene	7.79	75	91996	19.963	ug/l	99
37) Ethyl Acetate	6.93	43	92227	20.345	ug/l	98
38) Carbon Tetrachloride	7.77	117	86535	21.201	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	114248	20.027	ug/l	96
40) Benzene	8.04	78	293986	20.726	ug/l	100
41) Methacrylonitrile	7.18	41	43788m	22.087	ug/l	
42) 1,2-Dichloroethane	8.12	62	93276	20.017	ug/l	100
43) Isopropyl Acetate	8.17	43	148295	21.128	ug/l	99
44) Trichloroethene	8.84	130	77528	20.372	ug/l	95
45) 1,2-Dichloropropane	9.12	63	76850	20.273	ug/l	99
46) Dibromomethane	9.21	93	49219	20.776	ug/l	100
47) Bromodichloromethane	9.40	83	90168	21.272	ug/l	98
48) Methyl methacrylate	9.20	41	72173	20.483	ug/l	99
49) 1,4-Dioxane	9.20	88	29351	404.550	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	487518	107.567	ug/l	98
52) Toluene	10.16	92	174779	20.174	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	94796	22.100	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	109449	21.498	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	73307	21.081	ug/l	96
56) Ethyl methacrylate	10.43	69	107122	20.926	ug/l	99
57) 1,3-Dichloropropane	10.71	76	121075	20.746	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	254353	129.735	ug/l	100
59) 2-Hexanone	10.75	43	353388	105.735	ug/l	99
60) Dibromochloromethane	10.90	129	71134	22.221	ug/l	100
61) 1,2-Dibromoethane	11.00	107	72234	20.340	ug/l	99
64) Tetrachloroethene	10.63	164	77956	21.337	ug/l	98
65) Chlorobenzene	11.43	112	184499	20.062	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	68359	21.768	ug/l	99
67) Ethyl Benzene	11.51	91	325179	20.092	ug/l	100
68) m/p-Xylenes	11.62	106	243157	40.968	ug/l	99
69) o-Xylene	11.95	106	120188	20.472	ug/l	100
70) Styrene	11.96	104	195234	20.787	ug/l	100
71) Bromoform	12.12	173	51635	23.188	ug/l #	99
73) Isopropylbenzene	12.25	105	312345	18.667	ug/l	100
74) N-amyl acetate	12.07	43	113904	18.723	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	102456	19.548	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	87696m	21.824	ug/l	
77) Bromobenzene	12.53	156	80920	19.054	ug/l	99
78) n-propylbenzene	12.59	91	339636	19.422	ug/l	99
79) 2-Chlorotoluene	12.67	91	211734	19.256	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	265504	19.404	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	25591	21.814	ug/l	94
82) 4-Chlorotoluene	12.77	91	202176	19.597	ug/l	99
83) tert-Butylbenzene	12.99	119	224753	18.064	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	261969	20.354	ug/l	100
85) sec-Butylbenzene	13.17	105	293753	19.187	ug/l	99
86) p-Isopropyltoluene	13.29	119	267503	20.283	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	130078	20.076	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	125034	19.842	ug/l	99
89) n-Butylbenzene	13.61	91	210137	20.720	ug/l	99
90) Hexachloroethane	13.87	117	42077	20.302	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	134751	20.924	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	17187	23.814	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	63735	22.933	ug/l	98
94) Hexachlorobutadiene	15.01	225	47495	19.451	ug/l	98
95) Naphthalene	15.13	128	158265	21.570	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	65253	22.042	ug/l	98

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

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