

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081919\
 Data File : VN057387.D
 Acq On : 19 Aug 2019 9:52
 Operator : JC/SP
 Sample : VN0819WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0819WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/21/2019 9:45:05 AM

Quant Time: Aug 20 07:32:00 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	902335	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1278045	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	1139358	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	423671	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	414031	42.21	ug/l	0.00
Spiked Amount			Recovery	=	84.42%	
35) Dibromofluoromethane	7.58	113	388335	46.35	ug/l	0.00
Spiked Amount			Recovery	=	92.70%	
50) Toluene-d8	10.08	98	1444477	47.14	ug/l	0.00
Spiked Amount			Recovery	=	94.28%	
62) 4-Bromofluorobenzene	12.40	95	461010	42.57	ug/l	0.00
Spiked Amount			Recovery	=	85.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	119640	15.408	ug/l	98
3) Chloromethane	2.05	50	134655	14.693	ug/l	98
4) Vinyl Chloride	2.18	62	131933	15.302	ug/l	100
5) Bromomethane	2.55	94	106035	17.252	ug/l	100
6) Chloroethane	2.70	64	95396	16.085	ug/l	99
7) Trichlorofluoromethane	3.02	101	225714	16.689	ug/l	99
8) Diethyl Ether	3.40	74	82175	16.143	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.75	101	137823	17.345	ug/l	96
10) Methyl Iodide	3.95	142	212073	16.697	ug/l	99
11) Tert butyl alcohol	4.75	59	104660	75.050	ug/l #	89
12) 1,1-Dichloroethene	3.73	96	132513	16.738	ug/l	98
13) Acrolein	3.60	56	46833	55.320	ug/l	99
14) Allyl chloride	4.31	41	196867	15.513	ug/l	98
15) Acrylonitrile	4.97	53	300641	79.407	ug/l	98
16) Acetone	3.80	43	303231	89.111	ug/l	97
17) Carbon Disulfide	4.05	76	341280	16.001	ug/l	100
18) Methyl Acetate	4.31	43	156370	15.530	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	410104	16.509	ug/l	99
20) Methylene Chloride	4.54	84	156515	16.439	ug/l	95
21) trans-1,2-Dichloroethene	5.03	96	143119	16.810	ug/l	94
22) Diisopropyl ether	5.93	45	412586	16.458	ug/l	99
23) Vinyl Acetate	5.88	43	1590062	78.809	ug/l	97
24) 1,1-Dichloroethane	5.84	63	254473	16.499	ug/l	100
25) 2-Butanone	6.82	43	394281	80.013	ug/l	93
26) 2,2-Dichloropropane	6.81	77	220278	17.672	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	168944	16.761	ug/l	99
28) Bromochloromethane	7.18	49	124911	18.227	ug/l #	93
29) Tetrahydrofuran	7.20	42	233744	74.954	ug/l	97
30) Chloroform	7.36	83	264839	16.385	ug/l	100
31) Cyclohexane	7.64	56	210527	15.751	ug/l	92
32) 1,1,1-Trichloroethane	7.56	97	236766	17.416	ug/l	99
36) 1,1-Dichloropropene	7.78	75	193596	17.156	ug/l	99
37) Ethyl Acetate	6.91	43	155092	16.781	ug/l	97
38) Carbon Tetrachloride	7.76	117	208868	17.815	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	224726	17.055	ug/l	98
40) Benzene	8.03	78	594982	17.239	ug/l	100
41) Methacrylonitrile	7.16	41	75831	18.219	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	193091	16.903	ug/l	98
43) Isopropyl Acetate	8.15	43	271015	15.250	ug/l	97
44) Trichloroethene	8.83	130	178210	18.365	ug/l	91
45) 1,2-Dichloropropane	9.11	63	153500	17.254	ug/l	97
46) Dibromomethane	9.20	93	102043	17.193	ug/l	97
47) Bromodichloromethane	9.40	83	208699	17.748	ug/l	99
48) Methyl methacrylate	9.19	41	120043	15.773	ug/l	98
49) 1,4-Dioxane	9.19	88	56049	350.191	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	750548	78.717	ug/l	98
52) Toluene	10.15	92	388151	18.068	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	221346	17.402	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	250439	17.855	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	148499	17.579	ug/l	97
56) Ethyl methacrylate	10.42	69	207922	16.866	ug/l	97
57) 1,3-Dichloropropane	10.70	76	250183	17.728	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	266438	84.658	ug/l	99
59) 2-Hexanone	10.75	43	546906	79.784	ug/l	99
60) Dibromochloromethane	10.90	129	174214	18.403	ug/l	99
61) 1,2-Dibromoethane	11.00	107	156801	17.425	ug/l	100
64) Tetrachloroethene	10.63	164	189106	19.200	ug/l	97
65) Chlorobenzene	11.43	112	426133	18.338	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	165823	18.633	ug/l	99
67) Ethyl Benzene	11.51	91	720408	17.720	ug/l	99
68) m/p-Xylenes	11.62	106	544552	36.354	ug/l	98
69) o-Xylene	11.95	106	264197	17.964	ug/l	100
70) Styrene	11.96	104	417279	17.799	ug/l	99
71) Bromoform	12.12	173	131264	18.696	ug/l #	98
73) Isopropylbenzene	12.25	105	710265	18.980	ug/l	98
74) N-amyl acetate	12.07	43	193617	15.749	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	193733	17.680	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	171581m	19.430	ug/l	
77) Bromobenzene	12.53	156	186445	19.202	ug/l	97
78) n-propylbenzene	12.59	91	708503	17.366	ug/l	98
79) 2-Chlorotoluene	12.67	91	454647	18.915	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	579850	18.910	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	58993	16.979	ug/l	99
82) 4-Chlorotoluene	12.77	91	412205	17.050	ug/l	97
83) tert-Butylbenzene	12.99	119	534987	19.514	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	526576	17.256	ug/l	97
85) sec-Butylbenzene	13.17	105	622541	18.469	ug/l	99
86) p-Isopropyltoluene	13.29	119	540128	17.288	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	263794	17.771	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	253155	17.966	ug/l	99
89) n-Butylbenzene	13.62	91	403845	18.132	ug/l	99
90) Hexachloroethane	13.88	117	116836	20.619	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	260353	18.815	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22902	15.159	ug/l	89

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93) 1,2,4-Trichlorobenzene	14.91	180	68435	16.398	ug/l	99
94) Hexachlorobutadiene	15.01	225	124898	20.912	ug/l	99
95) Naphthalene	15.13	128	120318	17.661	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	66319	19.609	ug/l	98

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

