

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071619\
 Data File : VN056765.D
 Acq On : 16 Jul 2019 13:49
 Operator : JC/SP
 Sample : VN0716WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0716WBSD01

Manual Integrations
 APPROVED

MMDadoda
 7/17/2019 4:57:26 PM

Quant Time: Jul 17 02:01:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 07:03:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	306335	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	474996	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	418520	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	176347	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	174770	51.58	ug/l	0.00
Spiked Amount			Recovery	=	103.16%	
35) Dibromofluoromethane	7.59	113	152559	51.61	ug/l	0.00
Spiked Amount			Recovery	=	103.22%	
50) Toluene-d8	10.09	98	589284	51.62	ug/l	0.00
Spiked Amount			Recovery	=	103.24%	
62) 4-Bromofluorobenzene	12.40	95	190696	49.53	ug/l	0.00
Spiked Amount			Recovery	=	99.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	53825	18.712	ug/l	100
3) Chloromethane	2.06	50	73492	19.004	ug/l	99
4) Vinyl Chloride	2.18	62	71948	19.319	ug/l	97
5) Bromomethane	2.55	94	44224	20.194	ug/l	99
6) Chloroethane	2.70	64	41380	19.068	ug/l	98
7) Trichlorofluoromethane	3.01	101	93107	19.484	ug/l	100
8) Diethyl Ether	3.41	74	37180	19.956	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.75	101	55994	19.504	ug/l	98
10) Methyl Iodide	3.95	142	72587	18.903	ug/l	99
11) Tert butyl alcohol	4.79	59	59809	106.042	ug/l	100
12) 1,1-Dichloroethene	3.73	96	56301	19.551	ug/l	96
13) Acrolein	3.61	56	19996	110.040	ug/l	97
14) Allyl chloride	4.32	41	95230	19.122	ug/l	99
15) Acrylonitrile	4.99	53	170038	104.395	ug/l	98
16) Acetone	3.82	43	131902	84.471	ug/l	100
17) Carbon Disulfide	4.05	76	137211	18.031	ug/l	100
18) Methyl Acetate	4.33	43	76099	21.137	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	180959	19.722	ug/l	99
20) Methylene Chloride	4.55	84	67098	19.663	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	60256	19.795	ug/l	97
22) Diisopropyl ether	5.95	45	200110	20.357	ug/l	97
23) Vinyl Acetate	5.90	43	813959	102.183	ug/l	99
24) 1,1-Dichloroethane	5.85	63	113684	19.947	ug/l	99
25) 2-Butanone	6.84	43	218784	95.835	ug/l	100
26) 2,2-Dichloropropane	6.83	77	75278	18.319	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	71211	20.331	ug/l	99
28) Bromochloromethane	7.20	49	55490	20.708	ug/l	100
29) Tetrahydrofuran	7.21	42	153243	102.918	ug/l	98
30) Chloroform	7.37	83	112946	19.804	ug/l	99
31) Cyclohexane	7.65	56	109404	20.197	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	90305	20.022	ug/l	99
36) 1,1-Dichloropropene	7.79	75	82900	18.861	ug/l	99
37) Ethyl Acetate	6.93	43	87889	20.288	ug/l	100
38) Carbon Tetrachloride	7.77	117	78185	18.968	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	101925	18.780	ug/l	99
40) Benzene	8.04	78	262806	19.514	ug/l	99
41) Methacrylonitrile	7.17	41	35223m	18.510	ug/l	
42) 1,2-Dichloroethane	8.12	62	85365	20.055	ug/l	99
43) Isopropyl Acetate	8.17	43	137872	20.244	ug/l	99
44) Trichloroethene	8.84	130	71169	19.460	ug/l	96
45) 1,2-Dichloropropane	9.12	63	72257	20.191	ug/l	99
46) Dibromomethane	9.21	93	44745	20.176	ug/l	99
47) Bromodichloromethane	9.40	83	83377	19.785	ug/l	99
48) Methyl methacrylate	9.20	41	66089	20.066	ug/l	99
49) 1,4-Dioxane	9.20	88	28496	421.653	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	447931	101.548	ug/l	99
52) Toluene	10.16	92	160986	20.128	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	83836	19.068	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	98123	19.232	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	66231	19.743	ug/l	98
56) Ethyl methacrylate	10.43	69	98515	20.409	ug/l	99
57) 1,3-Dichloropropane	10.71	76	110732	20.210	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	228484	98.435	ug/l	99
59) 2-Hexanone	10.75	43	314675	99.421	ug/l	100
60) Dibromochloromethane	10.90	129	64937	19.682	ug/l	99
61) 1,2-Dibromoethane	11.00	107	67936	20.377	ug/l	100
64) Tetrachloroethene	10.63	164	72424	20.058	ug/l	98
65) Chlorobenzene	11.43	112	171192	20.005	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	62936	19.974	ug/l	98
67) Ethyl Benzene	11.51	91	296288	19.701	ug/l	99
68) m/p-Xylenes	11.62	106	225037	40.038	ug/l	99
69) o-Xylene	11.95	106	107407	19.438	ug/l	96
70) Styrene	11.96	104	180021	20.151	ug/l	100
71) Bromoform	12.12	173	46301	19.313	ug/l #	97
73) Isopropylbenzene	12.25	105	285294	20.064	ug/l	100
74) N-amyl acetate	12.07	43	104520	19.737	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	94241	21.792	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	82559m	21.405	ug/l	
77) Bromobenzene	12.52	156	73954	19.885	ug/l	98
78) n-propylbenzene	12.59	91	307839	19.501	ug/l	100
79) 2-Chlorotoluene	12.67	91	195048	21.422	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	241573	20.046	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	22912	18.346	ug/l	92
82) 4-Chlorotoluene	12.77	91	180778	19.514	ug/l	100
83) tert-Butylbenzene	12.99	119	207030	21.206	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	239288	20.325	ug/l	100
85) sec-Butylbenzene	13.17	105	268675	20.064	ug/l	100
86) p-Isopropyltoluene	13.29	119	241401	19.900	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	119449	19.598	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	115364	19.459	ug/l	99
89) n-Butylbenzene	13.61	91	184283	18.859	ug/l	99
90) Hexachloroethane	13.87	117	37039	18.881	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	122454	19.644	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15595	20.453	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	52948	17.931	ug/l	99
94) Hexachlorobutadiene	15.01	225	40587	19.947	ug/l	100
95) Naphthalene	15.13	128	132198	17.251	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	57042	18.897	ug/l	99

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

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