

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102919\
 Data File : VN059000.D
 Acq On : 29 Oct 2019 11:21
 Operator : JC/SP
 Sample : VN1029WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1029WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/30/2019 3:53:40 PM

Quant Time: Oct 30 03:26:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	430100	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	683642	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	628807	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	295551	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	303566	48.12	ug/l	0.00
Spiked Amount						
			Recovery	=	96.24%	
35) Dibromofluoromethane	7.57	113	229390	51.03	ug/l	0.00
Spiked Amount						
			Recovery	=	102.06%	
50) Toluene-d8	10.08	98	864742	49.56	ug/l	0.00
Spiked Amount						
			Recovery	=	99.12%	
62) 4-Bromofluorobenzene	12.40	95	315235	49.20	ug/l	0.00
Spiked Amount						
			Recovery	=	98.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	97875	18.252	ug/l	99
3) Chloromethane	2.04	50	122536	18.450	ug/l	99
4) Vinyl Chloride	2.17	62	126878	19.240	ug/l	98
5) Bromomethane	2.55	94	73998	17.919	ug/l	98
6) Chloroethane	2.68	64	76969	18.201	ug/l	99
7) Trichlorofluoromethane	3.00	101	161212	19.758	ug/l	99
8) Diethyl Ether	3.39	74	59855	21.228	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	93107	20.583	ug/l	99
10) Methyl Iodide	3.93	142	104267	17.526	ug/l	99
11) Tert butyl alcohol	4.75	59	113049	107.995	ug/l	100
12) 1,1-Dichloroethene	3.72	96	87159	20.557	ug/l	93
13) Acrolein	3.58	56	46990	65.331	ug/l	97
14) Allyl chloride	4.30	41	179219	20.889	ug/l	95
15) Acrylonitrile	4.96	53	295876	112.367	ug/l	99
16) Acetone	3.79	43	333611	107.027	ug/l	98
17) Carbon Disulfide	4.03	76	244331	17.889	ug/l	98
18) Methyl Acetate	4.30	43	160658	22.670	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	323183	21.768	ug/l	99
20) Methylene Chloride	4.53	84	104321	19.600	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	94499	20.181	ug/l	95
22) Diisopropyl ether	5.93	45	362562	21.605	ug/l	94
23) Vinyl Acetate	5.87	43	1517464	112.547	ug/l	100
24) 1,1-Dichloroethane	5.82	63	199691	20.522	ug/l	100
25) 2-Butanone	6.81	43	437181	108.045	ug/l	98
26) 2,2-Dichloropropane	6.80	77	174379	20.718	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	110459	20.650	ug/l	99
28) Bromochloromethane	7.18	49	65499	20.211	ug/l	98
29) Tetrahydrofuran	7.19	42	271155	109.546	ug/l	99
30) Chloroform	7.36	83	194768	19.954	ug/l	99
31) Cyclohexane	7.63	56	173898	19.183	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	166248	20.207	ug/l	99
36) 1,1-Dichloropropene	7.77	75	143500	20.503	ug/l	100
37) Ethyl Acetate	6.91	43	167848	22.009	ug/l	99
38) Carbon Tetrachloride	7.75	117	142263	19.730	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	158337	20.147	ug/l	98
40) Benzene	8.02	78	427751	20.812	ug/l	98
41) Methacrylonitrile	7.16	41	77190m	22.726	ug/l	
42) 1,2-Dichloroethane	8.11	62	157779	19.929	ug/l	100
43) Isopropyl Acetate	8.15	43	266306	21.773	ug/l	100
44) Trichloroethene	8.82	130	103791	20.731	ug/l	100
45) 1,2-Dichloropropane	9.10	63	120791	21.433	ug/l	100
46) Dibromomethane	9.20	93	73108	20.520	ug/l	97
47) Bromodichloromethane	9.39	83	150422	20.484	ug/l	98
48) Methyl methacrylate	9.19	41	116346	20.966	ug/l	97
49) 1,4-Dioxane	9.19	88	38253	419.928	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	840903	117.707	ug/l	99
52) Toluene	10.15	92	258705	21.226	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	169237	20.819	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	184286	21.219	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	105353	20.983	ug/l	98
56) Ethyl methacrylate	10.42	69	158805	20.137	ug/l	99
57) 1,3-Dichloropropane	10.70	76	184079	20.889	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	339353	98.790	ug/l	100
59) 2-Hexanone	10.75	43	634875	115.005	ug/l	99
60) Dibromochloromethane	10.90	129	111517	20.635	ug/l	99
61) 1,2-Dibromoethane	11.00	107	108899	21.194	ug/l	100
64) Tetrachloroethene	10.63	164	90768	20.612	ug/l	97
65) Chlorobenzene	11.43	112	273033	21.328	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	104066	21.542	ug/l	100
67) Ethyl Benzene	11.51	91	496206	22.096	ug/l	98
68) m/p-Xylenes	11.62	106	361385	43.393	ug/l	99
69) o-Xylene	11.95	106	173112	21.795	ug/l	100
70) Styrene	11.96	104	282029	20.291	ug/l	99
71) Bromoform	12.13	173	79553	21.237	ug/l #	98
73) Isopropylbenzene	12.25	105	469616	21.742	ug/l	99
74) N-amyl acetate	12.07	43	215417	21.999	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	168015	22.123	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	155211m	22.659	ug/l	
77) Bromobenzene	12.53	156	113859	21.387	ug/l	100
78) n-propylbenzene	12.59	91	556820	21.809	ug/l	100
79) 2-Chlorotoluene	12.68	91	335885	21.495	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	398780	21.975	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	56540	21.503	ug/l	100
82) 4-Chlorotoluene	12.78	91	337957	21.164	ug/l	100
83) tert-Butylbenzene	13.00	119	334828	21.576	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	400584	22.380	ug/l	99
85) sec-Butylbenzene	13.17	105	457773	22.125	ug/l	98
86) p-Isopropyltoluene	13.29	119	408732	22.389	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	202847	21.309	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	196252	20.591	ug/l	99
89) n-Butylbenzene	13.62	91	353793	21.097	ug/l	99
90) Hexachloroethane	13.88	117	77461	20.940	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	200399	21.418	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	35819	20.852	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	104102	19.304	ug/l	97
94) Hexachlorobutadiene	15.01	225	64398	21.236	ug/l	98
95) Naphthalene	15.13	128	290907	18.645	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	106660	20.105	ug/l	99

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

