

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102519\
 Data File : VN058959.D
 Acq On : 24 Oct 2019 14:28
 Operator : JC/SP
 Sample : VN1025WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBS02

Manual Integrations
 APPROVED

MMDadoda
 10/26/2019 1:16:06 AM

Quant Time: Oct 25 02:09:46 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	340402	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	552757	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	512831	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	242259	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	250491	50.17	ug/l	0.00
Spiked Amount			Recovery	=	100.34%	
35) Dibromofluoromethane	7.57	113	180417	49.64	ug/l	0.00
Spiked Amount			Recovery	=	99.28%	
50) Toluene-d8	10.08	98	687666	48.74	ug/l	0.00
Spiked Amount			Recovery	=	97.48%	
62) 4-Bromofluorobenzene	12.40	95	247662	47.80	ug/l	0.00
Spiked Amount			Recovery	=	95.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	78705	18.544	ug/l	99
3) Chloromethane	2.04	50	97123	18.477	ug/l	98
4) Vinyl Chloride	2.17	62	97801	18.739	ug/l	98
5) Bromomethane	2.55	94	57232	17.511	ug/l	98
6) Chloroethane	2.69	64	63712	19.036	ug/l	99
7) Trichlorofluoromethane	3.00	101	120570	18.671	ug/l	96
8) Diethyl Ether	3.39	74	43525	19.504	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	68130	19.031	ug/l	99
10) Methyl Iodide	3.93	142	75190	15.969	ug/l	100
11) Tert butyl alcohol	4.75	59	75666	91.330	ug/l	100
12) 1,1-Dichloroethene	3.72	96	64465	19.211	ug/l	98
13) Acrolein	3.58	56	30030	52.753	ug/l	96
14) Allyl chloride	4.30	41	128893	18.982	ug/l	99
15) Acrylonitrile	4.96	53	207107	99.380	ug/l	99
16) Acetone	3.79	43	198235	80.354	ug/l	99
17) Carbon Disulfide	4.03	76	195832	18.116	ug/l	99
18) Methyl Acetate	4.30	43	109707	19.560	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	234447	19.952	ug/l	100
20) Methylene Chloride	4.53	84	80226	19.045	ug/l	97
21) trans-1,2-Dichloroethene	5.02	96	71035	19.168	ug/l	98
22) Diisopropyl ether	5.93	45	270614	20.375	ug/l	99
23) Vinyl Acetate	5.87	43	1110089	104.029	ug/l	100
24) 1,1-Dichloroethane	5.83	63	151047	19.613	ug/l	99
25) 2-Butanone	6.81	43	286183	89.364	ug/l	99
26) 2,2-Dichloropropane	6.80	77	123383	18.522	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	83453	19.713	ug/l	100
28) Bromochloromethane	7.18	49	52756	20.569	ug/l	99
29) Tetrahydrofuran	7.19	42	192197	98.108	ug/l	99
30) Chloroform	7.35	83	144872	18.753	ug/l	96
31) Cyclohexane	7.63	56	130784	18.228	ug/l	95
32) 1,1,1-Trichloroethane	7.55	97	129767	19.929	ug/l	99
36) 1,1-Dichloropropene	7.77	75	107083	18.922	ug/l	99
37) Ethyl Acetate	6.91	43	122760	19.908	ug/l	99
38) Carbon Tetrachloride	7.76	117	111405	19.109	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	114976	18.094	ug/l	99
40) Benzene	8.02	78	326157	19.627	ug/l	99
41) Methacrylonitrile	7.16	41	48851m	17.788	ug/l	
42) 1,2-Dichloroethane	8.11	62	124879	19.508	ug/l	100
43) Isopropyl Acetate	8.15	43	193213	19.538	ug/l	100
44) Trichloroethene	8.82	130	77230	19.078	ug/l	97
45) 1,2-Dichloropropane	9.11	63	90705	19.905	ug/l	100
46) Dibromomethane	9.20	93	56334	19.555	ug/l	98
47) Bromodichloromethane	9.39	83	115944	19.528	ug/l	99
48) Methyl methacrylate	9.19	41	85213	18.992	ug/l	99
49) 1,4-Dioxane	9.19	88	24966	338.963	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	604756	104.697	ug/l	98
52) Toluene	10.15	92	195481	19.837	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	127914	19.461	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	135669	19.320	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	80115	19.735	ug/l	98
56) Ethyl methacrylate	10.43	69	114461	18.178	ug/l	98
57) 1,3-Dichloropropane	10.70	76	138733	19.471	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	256334	92.664	ug/l	99
59) 2-Hexanone	10.75	43	432223	96.835	ug/l	99
60) Dibromochloromethane	10.90	129	84554	19.350	ug/l	97
61) 1,2-Dibromoethane	11.00	107	79100	19.039	ug/l	98
64) Tetrachloroethene	10.63	164	67702	18.850	ug/l	99
65) Chlorobenzene	11.43	112	204342	19.572	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	77661	19.712	ug/l	99
67) Ethyl Benzene	11.51	91	364888	19.923	ug/l	99
68) m/p-Xylenes	11.62	106	270319	39.799	ug/l	99
69) o-Xylene	11.95	106	126886	19.588	ug/l	99
70) Styrene	11.96	104	205171	18.284	ug/l	100
71) Bromoform	12.13	173	57389	18.785	ug/l #	95
73) Isopropylbenzene	12.25	105	348976	19.711	ug/l	100
74) N-amyl acetate	12.07	43	155750	19.405	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	119999	19.276	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	106905m	19.040	ug/l	
77) Bromobenzene	12.53	156	83943	19.236	ug/l	98
78) n-propylbenzene	12.59	91	414802	19.821	ug/l	100
79) 2-Chlorotoluene	12.68	91	247714	19.340	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	296536	19.935	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	38943	18.069	ug/l	98
82) 4-Chlorotoluene	12.78	91	252562	19.295	ug/l	100
83) tert-Butylbenzene	13.00	119	251492	19.771	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	295194	20.120	ug/l	99
85) sec-Butylbenzene	13.17	105	336767	19.857	ug/l	99
86) p-Isopropyltoluene	13.29	119	297533	19.883	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	149694	19.184	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	148510	19.010	ug/l	99
89) n-Butylbenzene	13.62	91	256355	18.649	ug/l	99
90) Hexachloroethane	13.88	117	58689	19.355	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	149406	19.481	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	26079	18.522	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	76754	17.617	ug/l	99
94) Hexachlorobutadiene	15.01	225	45542	18.321	ug/l	99
95) Naphthalene	15.13	128	210627	16.729	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	78277	18.251	ug/l	99

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

