

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102819\
 Data File : VN058988.D
 Acq On : 28 Oct 2019 11:37
 Operator : JC/SP
 Sample : VN1028WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1028WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/30/2019 3:53:03 PM

Quant Time: Oct 29 13:50:20 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	430733	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	688829	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	630745	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	297954	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	320233	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
35) Dibromofluoromethane	7.57	113	239103	52.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.60%	
50) Toluene-d8	10.08	98	904495	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	
62) 4-Bromofluorobenzene	12.40	95	329088	50.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	104199	19.403	ug/l	97
3) Chloromethane	2.04	50	131761	19.810	ug/l	98
4) Vinyl Chloride	2.17	62	138372	20.952	ug/l	99
5) Bromomethane	2.55	94	76735	18.555	ug/l	96
6) Chloroethane	2.68	64	84702	20.000	ug/l	100
7) Trichlorofluoromethane	3.00	101	170150	20.823	ug/l	100
8) Diethyl Ether	3.39	74	62088	21.987	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	96378	21.275	ug/l	99
10) Methyl Iodide	3.93	142	108228	18.165	ug/l	100
11) Tert butyl alcohol	4.76	59	106539	101.626	ug/l	100
12) 1,1-Dichloroethene	3.72	96	90816	21.388	ug/l	95
13) Acrolein	3.59	56	47799	66.358	ug/l	100
14) Allyl chloride	4.30	41	170888	19.888	ug/l	95
15) Acrylonitrile	4.96	53	301530	114.346	ug/l	99
16) Acetone	3.79	43	333726	106.906	ug/l	99
17) Carbon Disulfide	4.03	76	257973	18.860	ug/l	99
18) Methyl Acetate	4.30	43	157186	22.148	ug/l	98
19) Methyl tert-butyl Ether	5.01	73	335964	22.596	ug/l	97
20) Methylene Chloride	4.53	84	111263	20.874	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	100606	21.454	ug/l	96
22) Diisopropyl ether	5.93	45	386267	22.983	ug/l	98
23) Vinyl Acetate	5.87	43	1602477	118.678	ug/l	100
24) 1,1-Dichloroethane	5.82	63	210658	21.617	ug/l	100
25) 2-Butanone	6.81	43	438876	108.304	ug/l	98
26) 2,2-Dichloropropane	6.80	77	183991	21.828	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	117984	22.025	ug/l	99
28) Bromochloromethane	7.17	49	70653	21.770	ug/l	97
29) Tetrahydrofuran	7.19	42	273856	110.475	ug/l	99
30) Chloroform	7.35	83	206393	21.114	ug/l	100
31) Cyclohexane	7.63	56	183527	20.215	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	175802	21.336	ug/l	99
36) 1,1-Dichloropropene	7.77	75	152336	21.601	ug/l	100
37) Ethyl Acetate	6.91	43	171374	22.302	ug/l	99
38) Carbon Tetrachloride	7.75	117	152946	21.052	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	162217	20.486	ug/l	97
40) Benzene	8.02	78	455413	21.992	ug/l	98
41) Methacrylonitrile	7.15	41	69383	20.273	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	169236	21.215	ug/l	99
43) Isopropyl Acetate	8.15	43	272907	22.145	ug/l	99
44) Trichloroethene	8.82	130	108046	21.418	ug/l	100
45) 1,2-Dichloropropane	9.10	63	128347	22.602	ug/l	99
46) Dibromomethane	9.19	93	78016	21.732	ug/l	99
47) Bromodichloromethane	9.39	83	159809	21.599	ug/l	99
48) Methyl methacrylate	9.19	41	119498	21.372	ug/l	97
49) 1,4-Dioxane	9.19	88	38803	422.758	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	862793	119.862	ug/l	100
52) Toluene	10.15	92	275036	22.396	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	176916	21.599	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	194133	22.185	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	112534	22.244	ug/l	98
56) Ethyl methacrylate	10.42	69	165481	20.754	ug/l	98
57) 1,3-Dichloropropane	10.70	76	193473	21.790	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	361387	104.090	ug/l	100
59) 2-Hexanone	10.75	43	642097	115.437	ug/l	100
60) Dibromochloromethane	10.90	129	118608	21.782	ug/l	100
61) 1,2-Dibromoethane	11.00	107	114629	22.141	ug/l	98
64) Tetrachloroethene	10.63	164	95436	21.605	ug/l	98
65) Chlorobenzene	11.43	112	283441	22.073	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	110741	22.853	ug/l	100
67) Ethyl Benzene	11.51	91	519514	23.063	ug/l	99
68) m/p-Xylenes	11.62	106	385779	46.180	ug/l	99
69) o-Xylene	11.95	106	179518	22.532	ug/l	100
70) Styrene	11.97	104	295793	21.137	ug/l	100
71) Bromoform	12.13	173	83256	22.157	ug/l #	99
73) Isopropylbenzene	12.25	105	495908	22.774	ug/l	100
74) N-amyl acetate	12.07	43	220165	22.302	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	172738	22.561	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	139162m	20.153	ug/l	
77) Bromobenzene	12.53	156	119559	22.276	ug/l	97
78) n-propylbenzene	12.59	91	580259	22.544	ug/l	99
79) 2-Chlorotoluene	12.68	91	348672	22.133	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	416736	22.779	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	58362	22.017	ug/l	98
82) 4-Chlorotoluene	12.78	91	358131	22.246	ug/l	99
83) tert-Butylbenzene	13.00	119	353185	22.576	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	416502	23.081	ug/l	99
85) sec-Butylbenzene	13.17	105	475079	22.777	ug/l	99
86) p-Isopropyltoluene	13.29	119	420872	22.868	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	212011	22.092	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	205540	21.392	ug/l	97
89) n-Butylbenzene	13.62	91	368462	21.794	ug/l	99
90) Hexachloroethane	13.88	117	80219	21.510	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	213995	22.687	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	34877	20.140	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	111140	20.294	ug/l	99
94) Hexachlorobutadiene	15.01	225	67732	22.155	ug/l	99
95) Naphthalene	15.13	128	307430	19.437	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	113167	21.033	ug/l	99

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

