

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102822\
 Data File : VN075065.D
 Acq On : 28 Oct 2022 17:00
 Operator : JC\MD
 Sample : VN1028WBS02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1028WBS02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/31/2022
 Supervised By : Mahesh Dadoda 10/31/2022

Quant Time: Oct 31 03:08:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 09:48:49 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	96081	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	181757	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	166793	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	76951	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	68257	52.725	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.460%			
35) Dibromofluoromethane	8.171	113	53263	49.918	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.840%			
50) Toluene-d8	10.571	98	208387	50.339	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.680%			
62) 4-Bromofluorobenzene	12.853	95	74071	50.936	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.880%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	28949	23.161	ug/l	99
3) Chloromethane	2.371	50	26285	19.798	ug/l	99
4) Vinyl Chloride	2.524	62	37050	19.562	ug/l	97
5) Bromomethane	2.912	94	24820	14.895	ug/l	100
6) Chloroethane	3.083	64	27057	19.922	ug/l	95
7) Trichlorofluoromethane	3.477	101	41063	21.224	ug/l	99
8) Diethyl Ether	3.971	74	15099	21.396	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.365	101	21814	20.416	ug/l	99
10) Methyl Iodide	4.589	142	33127	20.826	ug/l	99
11) Tert butyl alcohol	5.542	59	29271	96.956	ug/l	99
12) 1,1-Dichloroethene	4.336	96	21004	20.623	ug/l #	89
13) Acrolein	4.189	56	23451	94.967	ug/l	98
14) Allyl chloride	5.024	41	30564	20.547	ug/l	96
15) Acrylonitrile	5.730	53	65244	102.305	ug/l	99
16) Acetone	4.447	43	54768	99.913	ug/l	99
17) Carbon Disulfide	4.712	76	47866	18.689	ug/l	98
18) Methyl Acetate	5.036	43	39007	21.785	ug/l	99
19) Methyl tert-butyl Ether	5.806	73	78207	20.660	ug/l	97
20) Methylene Chloride	5.277	84	25343	20.736	ug/l	88
21) trans-1,2-Dichloroethene	5.789	96	22061	19.783	ug/l	93
22) Diisopropyl ether	6.683	45	66671	20.310	ug/l	96
23) Vinyl Acetate	6.612	43	267556m	97.606	ug/l	
24) 1,1-Dichloroethane	6.583	63	41219	19.854	ug/l	98
25) 2-Butanone	7.488	43	84980	98.562	ug/l	97
26) 2,2-Dichloropropane	7.494	77	36386	19.051	ug/l	97
27) cis-1,2-Dichloroethene	7.488	96	26837	20.152	ug/l	98
28) Bromochloromethane	7.812	49	18785	21.464	ug/l	97
29) Tetrahydrofuran	7.847	42	54521	97.858	ug/l	98
30) Chloroform	7.971	83	44558	19.767	ug/l	99
31) Cyclohexane	8.259	56	37172	19.306	ug/l	93
32) 1,1,1-Trichloroethane	8.171	97	40480	19.775	ug/l	98
36) 1,1-Dichloropropene	8.371	75	32216	19.502	ug/l	98
37) Ethyl Acetate	7.571	43	34703	19.156	ug/l	99
38) Carbon Tetrachloride	8.365	117	34041	18.734	ug/l	93
39) Methylcyclohexane	9.606	83	40547	18.593	ug/l	95
40) Benzene	8.612	78	99046	19.582	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	18846	21.713	ug/l	93
42) 1,2-Dichloroethane	8.677	62	36911	20.059	ug/l	100
43) Isopropyl Acetate	8.694	43	53810	19.149	ug/l	99
44) Trichloroethene	9.353	130	24420	19.244	ug/l	92
45) 1,2-Dichloropropane	9.624	63	24548	20.394	ug/l	100
46) Dibromomethane	9.712	93	18230	19.440	ug/l	98
47) Bromodichloromethane	9.894	83	34938	19.239	ug/l	91
48) Methyl methacrylate	9.682	41	24497	19.004	ug/l	98
49) 1,4-Dioxane	9.694	88	13154	389.697	ug/l	99
51) 4-Methyl-2-Pentanone	10.447	43	174950	96.479	ug/l	100
52) Toluene	10.635	92	65920	19.497	ug/l	96
53) t-1,3-Dichloropropene	10.835	75	36418	18.999	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	38251	18.814	ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	25918	19.333	ug/l	98
56) Ethyl methacrylate	10.876	69	40348	19.731	ug/l	98
57) 1,3-Dichloropropane	11.165	76	45628	20.437	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	88232	111.605	ug/l	97
59) 2-Hexanone	11.200	43	132679	96.405	ug/l	100
60) Dibromochloromethane	11.359	129	26060	18.425	ug/l	99
61) 1,2-Dibromoethane	11.471	107	26121	19.013	ug/l	96
64) Tetrachloroethene	11.106	164	21089	20.623	ug/l	93
65) Chlorobenzene	11.894	112	70444	19.786	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	25078	18.988	ug/l	98
67) Ethyl Benzene	11.965	91	124692	19.467	ug/l	97
68) m/p-Xylenes	12.070	106	98594	38.361	ug/l	96
69) o-Xylene	12.400	106	48850	19.219	ug/l	100
70) Styrene	12.412	104	79509	19.618	ug/l	99
71) Bromoform	12.576	173	17256	17.451	ug/l #	100
73) Isopropylbenzene	12.700	105	125231	20.271	ug/l	100
74) N-amyl acetate	12.500	43	47131	20.628	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.941	83	41464	21.056	ug/l	99
76) 1,2,3-Trichloropropane	13.000	75	31420m	19.230	ug/l	
77) Bromobenzene	12.982	156	27537	20.244	ug/l	97
78) n-propylbenzene	13.035	91	144888	20.889	ug/l	99
79) 2-Chlorotoluene	13.123	91	87472	20.638	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	108319	20.876	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.741	75	11655	18.311	ug/l	98
82) 4-Chlorotoluene	13.123	91	87472	20.638	ug/l	100
83) tert-Butylbenzene	13.441	119	95340	20.679	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	109249	20.810	ug/l	100
85) sec-Butylbenzene	13.617	105	134709	20.886	ug/l	98
86) p-Isopropyltoluene	13.735	119	108629	20.393	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	52945	19.879	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	52443	19.896	ug/l	99
89) n-Butylbenzene	14.059	91	87590	20.420	ug/l	99
90) Hexachloroethane	14.335	117	18685	19.132	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	50944	19.240	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	8160	19.582	ug/l	91
93) 1,2,4-Trichlorobenzene	15.394	180	22226	19.507	ug/l	95
94) Hexachlorobutadiene	15.506	225	10610	19.102	ug/l	98
95) Naphthalene	15.641	128	88390	20.173	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	23315	20.595	ug/l	98

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

