

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020524\
 Data File : VN080915.D
 Acq On : 05 Feb 2024 22:38
 Operator : JC\MD
 Sample : VN0205WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0205WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/06/2024
 Supervised By : Mahesh Dadoda 02/06/2024

Quant Time: Feb 06 04:51:03 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N012924W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 29 12:54:23 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	64978	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	145846	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	121639	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	46573	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	79072	70.342	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 140.680%#			
35) Dibromofluoromethane	8.165	113	52351	58.670	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 117.340%			
50) Toluene-d8	10.571	98	169142	48.432	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.860%			
62) 4-Bromofluorobenzene	12.853	95	63085	51.837	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.680%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	13924	14.427	ug/l	97
3) Chloromethane	2.359	50	32202	22.197	ug/l	98
4) Vinyl Chloride	2.512	62	20994	19.035	ug/l	91
5) Bromomethane	2.965	94	11279	25.567	ug/l	84
6) Chloroethane	3.118	64	15063	25.616	ug/l #	88
7) Trichlorofluoromethane	3.500	101	24205	16.957	ug/l	96
8) Diethyl Ether	3.959	74	18715	28.421	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	14251	17.121	ug/l	98
10) Methyl Iodide	4.577	142	7214	10.266	ug/l #	93
11) Tert butyl alcohol	5.518	59	27312	149.049	ug/l #	81
12) 1,1-Dichloroethene	4.336	96	17404	19.082	ug/l	93
13) Acrolein	4.183	56	31761	137.448	ug/l	93
14) Allyl chloride	5.018	41	41081	22.787	ug/l	99
15) Acrylonitrile	5.718	53	82439	149.590	ug/l	98
16) Acetone	4.424	43	60954	149.514	ug/l	97
17) Carbon Disulfide	4.706	76	46159	16.256	ug/l	99
18) Methyl Acetate	5.024	43	45556	32.063	ug/l	96
19) Methyl tert-butyl Ether	5.794	73	88638	27.581	ug/l	99
20) Methylene Chloride	5.283	84	29237	27.320	ug/l	95
21) trans-1,2-Dichloroethene	5.783	96	18848	19.021	ug/l	92
22) Diisopropyl ether	6.671	45	104942	26.382	ug/l #	98
23) Vinyl Acetate	6.606	43	416454	144.697	ug/l	96
24) 1,1-Dichloroethane	6.565	63	52341	25.946	ug/l #	93
25) 2-Butanone	7.482	43	108634	140.289	ug/l	98
26) 2,2-Dichloropropane	7.488	77	27307	16.748	ug/l	95
27) cis-1,2-Dichloroethene	7.482	96	28234	24.615	ug/l	93
28) Bromochloromethane	7.812	49	27466	25.716	ug/l	98
29) Tetrahydrofuran	7.841	42	75521	144.131	ug/l	99
30) Chloroform	7.971	83	51767	27.621	ug/l	89
31) Cyclohexane	8.265	56	31222	16.197	ug/l	94
32) 1,1,1-Trichloroethane	8.171	97	31765	20.901	ug/l	92
36) 1,1-Dichloropropene	8.371	75	25643	15.462	ug/l	99
37) Ethyl Acetate	7.559	43	46523	27.250	ug/l	98
38) Carbon Tetrachloride	8.365	117	20938	15.669	ug/l	90
39) Methylcyclohexane	9.606	83	21175	12.845	ug/l	96
40) Benzene	8.612	78	99028	20.316	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	25944	25.783	ug/l	93
42) 1,2-Dichloroethane	8.671	62	39975	25.173	ug/l	100
43) Isopropyl Acetate	8.688	43	80497	25.897	ug/l	99
44) Trichloroethene	9.353	130	18544	17.272	ug/l	94
45) 1,2-Dichloropropane	9.624	63	30796	23.346	ug/l	92
46) Dibromomethane	9.718	93	17917	22.912	ug/l	95
47) Bromodichloromethane	9.888	83	34773	21.902	ug/l #	97
48) Methyl methacrylate	9.682	41	36684	24.344	ug/l	97
49) 1,4-Dioxane	9.700	88	10053	553.838	ug/l	95
51) 4-Methyl-2-Pentanone	10.447	43	244116	140.487	ug/l	96
52) Toluene	10.629	92	51991	18.603	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	37003	20.007	ug/l	90
54) cis-1,3-Dichloropropene	10.312	75	43885	21.820	ug/l	99
55) 1,1,2-Trichloroethane	11.023	97	26694	24.853	ug/l	92
56) Ethyl methacrylate	10.876	69	44508	26.956	ug/l	99
57) 1,3-Dichloropropane	11.165	76	48380	23.934	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	110884	115.198	ug/l	99
59) 2-Hexanone	11.200	43	168863	125.107	ug/l	99
60) Dibromochloromethane	11.359	129	22803	22.825	ug/l	93
61) 1,2-Dibromoethane	11.465	107	24689	24.527	ug/l	97
64) Tetrachloroethene	11.112	164	13225	16.541	ug/l	97
65) Chlorobenzene	11.894	112	49329	18.581	ug/l #	88
66) 1,1,1,2-Tetrachloroethane	11.965	131	19238	22.284	ug/l	97
67) Ethyl Benzene	11.970	91	84634	17.153	ug/l	96
68) m/p-Xylenes	12.076	106	68818	39.273	ug/l	95
69) o-Xylene	12.400	106	32703	18.782	ug/l	90
70) Styrene	12.412	104	52781	18.875	ug/l	91
71) Bromoform	12.576	173	14455	24.764	ug/l #	90
73) Isopropylbenzene	12.700	105	73475	17.228	ug/l	99
74) N-amyl acetate	12.494	43	70461	26.609	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.941	83	38784	25.852	ug/l	97
76) 1,2,3-Trichloropropane	12.994	75	37604m	26.771	ug/l	
77) Bromobenzene	12.982	156	18585	20.385	ug/l	89
78) n-propylbenzene	13.041	91	83661	16.420	ug/l	100
79) 2-Chlorotoluene	13.129	91	60740	18.756	ug/l	95
80) 1,3,5-Trimethylbenzene	13.176	105	61928	18.232	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.741	75	11482	21.058	ug/l #	60
82) 4-Chlorotoluene	13.223	91	59790	18.646	ug/l	96
83) tert-Butylbenzene	13.441	119	46875	17.281	ug/l	93
84) 1,2,4-Trimethylbenzene	13.488	105	63637	18.492	ug/l	98
85) sec-Butylbenzene	13.617	105	65728	16.436	ug/l	98
86) p-Isopropyltoluene	13.729	119	50581	16.276	ug/l	95
87) 1,3-Dichlorobenzene	13.735	146	30309	18.586	ug/l	98
88) 1,4-Dichlorobenzene	13.817	146	30387	18.587	ug/l	95
89) n-Butylbenzene	14.059	91	46823	15.397	ug/l	98
90) Hexachloroethane	14.335	117	8746	16.084	ug/l	100
91) 1,2-Dichlorobenzene	14.111	146	30904	20.706	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.723	75	6124	21.839	ug/l	91
93) 1,2,4-Trichlorobenzene	15.400	180	12506	16.280	ug/l	92
94) Hexachlorobutadiene	15.506	225	5578	16.620	ug/l	96
95) Naphthalene	15.641	128	59702	20.310	ug/l	97
96) 1,2,3-Trichlorobenzene	15.847	180	14822	19.630	ug/l	95

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

