

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022824\
 Data File : VN081239.D
 Acq On : 28 Feb 2024 13:30
 Operator : JC\MD
 Sample : VN0228WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0228WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/29/2024
 Supervised By : Mahesh Dadoda 02/29/2024

Quant Time: Feb 28 23:24:16 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021624W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 16 23:45:20 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	273754	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	513795	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	461073	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	208913	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	189038	56.338	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.680%			
35) Dibromofluoromethane	8.171	113	162327	55.872	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 111.740%			
50) Toluene-d8	10.571	98	531165	51.474	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.940%			
62) 4-Bromofluorobenzene	12.853	95	210525	54.295	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 108.600%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	70220	19.835	ug/l	97
3) Chloromethane	2.360	50	67444	16.674	ug/l	97
4) Vinyl Chloride	2.512	62	71445	18.168	ug/l #	87
5) Bromomethane	2.959	94	46053	16.488	ug/l	99
6) Chloroethane	3.130	64	49020	18.729	ug/l	95
7) Trichlorofluoromethane	3.495	101	109885	19.127	ug/l	85
8) Diethyl Ether	3.959	74	38987	18.562	ug/l	88
9) 1,1,2-Trichlorotrifluo...	4.371	101	65274	20.381	ug/l	91
10) Methyl Iodide	4.589	142	53546	14.979	ug/l	98
11) Tert butyl alcohol	5.518	59	57346	92.931	ug/l	98
12) 1,1-Dichloroethene	4.348	96	54199	17.507	ug/l	89
13) Acrolein	4.177	56	26705	80.743	ug/l	96
14) Allyl chloride	5.024	41	79898	17.394	ug/l #	85
15) Acrylonitrile	5.718	53	170007	105.488	ug/l	99
16) Acetone	4.430	43	131328	99.468	ug/l	93
17) Carbon Disulfide	4.718	76	132730	15.371	ug/l	96
18) Methyl Acetate	5.024	43	79878	24.801	ug/l	91
19) Methyl tert-butyl Ether	5.795	73	205012	19.335	ug/l	93
20) Methylene Chloride	5.277	84	68290	19.425	ug/l	92
21) trans-1,2-Dichloroethene	5.789	96	61461	17.794	ug/l	91
22) Diisopropyl ether	6.677	45	210660	20.217	ug/l #	95
23) Vinyl Acetate	6.606	43	808872	95.678	ug/l	96
24) 1,1-Dichloroethane	6.571	63	121271	20.128	ug/l	94
25) 2-Butanone	7.489	43	216050	101.290	ug/l #	89
26) 2,2-Dichloropropane	7.494	77	107633	19.066	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	76410	19.041	ug/l	87
28) Bromochloromethane	7.812	49	54949	21.999	ug/l #	68
29) Tetrahydrofuran	7.841	42	145649	102.291	ug/l	90
30) Chloroform	7.971	83	132559	20.696	ug/l	99
31) Cyclohexane	8.259	56	104999	18.123	ug/l #	82
32) 1,1,1-Trichloroethane	8.177	97	113169	19.401	ug/l	93
36) 1,1-Dichloropropene	8.371	75	90884	18.259	ug/l	96
37) Ethyl Acetate	7.571	43	92225	20.530	ug/l	95
38) Carbon Tetrachloride	8.365	117	93765	18.619	ug/l	99
39) Methylcyclohexane	9.606	83	101173	17.437	ug/l	96
40) Benzene	8.606	78	278402	19.324	ug/l	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	52109	20.382	ug/l	95
42) 1,2-Dichloroethane	8.677	62	100669	20.028	ug/l	99
43) Isopropyl Acetate	8.694	43	150726	19.185	ug/l #	94
44) Trichloroethene	9.359	130	70493	18.370	ug/l	91
45) 1,2-Dichloropropane	9.624	63	72433	20.098	ug/l	95
46) Dibromomethane	9.712	93	49845	18.982	ug/l	89
47) Bromodichloromethane	9.894	83	101763	20.462	ug/l #	99
48) Methyl methacrylate	9.688	41	69405	18.985	ug/l	91
49) 1,4-Dioxane	9.700	88	28093	393.375	ug/l #	83
51) 4-Methyl-2-Pentanone	10.447	43	476225	105.370	ug/l	97
52) Toluene	10.635	92	173291	18.999	ug/l	100
53) t-1,3-Dichloropropene	10.841	75	106114	19.201	ug/l	93
54) cis-1,3-Dichloropropene	10.312	75	113218	18.961	ug/l	96
55) 1,1,2-Trichloroethane	11.018	97	71567	20.401	ug/l	91
56) Ethyl methacrylate	10.877	69	99123	18.488	ug/l	94
57) 1,3-Dichloropropane	11.165	76	122193	20.145	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.165	63	150634	55.996	ug/l #	89
59) 2-Hexanone	11.200	43	358121	99.947	ug/l	95
60) Dibromochloromethane	11.365	129	73137	19.625	ug/l	97
61) 1,2-Dibromoethane	11.471	107	73786	20.002	ug/l	100
64) Tetrachloroethene	11.106	164	66366	21.090	ug/l	94
65) Chlorobenzene	11.894	112	184170	18.456	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.965	131	66887	18.661	ug/l	98
67) Ethyl Benzene	11.965	91	337085	18.877	ug/l	98
68) m/p-Xylenes	12.077	106	256920	37.537	ug/l	95
69) o-Xylene	12.400	106	124432	18.340	ug/l	95
70) Styrene	12.418	104	198701	18.482	ug/l	96
71) Bromoform	12.576	173	43771	19.249	ug/l #	94
73) Isopropylbenzene	12.700	105	319819	17.497	ug/l	97
74) N-amyl acetate	12.500	43	129991	16.827	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.941	83	97466	18.963	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	91517m	19.280	ug/l	
77) Bromobenzene	12.982	156	71799	17.617	ug/l	77
78) n-propylbenzene	13.041	91	394317	18.740	ug/l	97
79) 2-Chlorotoluene	13.129	91	228628	17.714	ug/l	95
80) 1,3,5-Trimethylbenzene	13.176	105	275363	18.580	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.741	75	30196	16.374	ug/l #	75
82) 4-Chlorotoluene	13.224	91	227281	18.010	ug/l	96
83) tert-Butylbenzene	13.441	119	237682	18.548	ug/l	93
84) 1,2,4-Trimethylbenzene	13.488	105	280528	18.996	ug/l	97
85) sec-Butylbenzene	13.618	105	339577	19.061	ug/l	95
86) p-Isopropyltoluene	13.735	119	276823	18.708	ug/l	97
87) 1,3-Dichlorobenzene	13.735	146	135888	17.646	ug/l	96
88) 1,4-Dichlorobenzene	13.812	146	140386	18.553	ug/l	96
89) n-Butylbenzene	14.059	91	243649	18.900	ug/l	97
90) Hexachloroethane	14.335	117	44728	18.287	ug/l	98
91) 1,2-Dichlorobenzene	14.112	146	135487	18.242	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.718	75	19576	18.319	ug/l	85
93) 1,2,4-Trichlorobenzene	15.394	180	71554	17.269	ug/l	98
94) Hexachlorobutadiene	15.506	225	28448	18.409	ug/l	97
95) Naphthalene	15.647	128	262068	17.259	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	75507	18.369	ug/l	98

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

