

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022824\
 Data File : VN081240.D
 Acq On : 28 Feb 2024 14:05
 Operator : JC\MD
 Sample : VN0228WBS02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0228WBS02

Manual Integrations
 APPROVED

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

Quant Time: Feb 28 23:25:07 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	8.224	168	231594	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	427628	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	400600	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	181287	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	152933	53.874	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.740%			
35) Dibromofluoromethane	8.171	113	129047	53.367	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.740%			
50) Toluene-d8	10.571	98	423182	49.273	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.540%			
62) 4-Bromofluorobenzene	12.853	95	164684	51.031	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.060%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	68321	22.811	ug/l	100
3) Chloromethane	2.365	50	64346	18.958	ug/l	99
4) Vinyl Chloride	2.518	62	70944	21.325	ug/l #	88
5) Bromomethane	2.965	94	47307	20.021	ug/l	98
6) Chloroethane	3.124	64	51149	23.309	ug/l	96
7) Trichlorofluoromethane	3.501	101	108288	22.281	ug/l	96
8) Diethyl Ether	3.959	74	38432	21.629	ug/l	88
9) 1,1,2-Trichlorotrifluo...	4.377	101	62219	22.964	ug/l	93
10) Methyl Iodide	4.589	142	53859	17.809	ug/l	96
11) Tert butyl alcohol	5.512	59	58933	112.888	ug/l #	85
12) 1,1-Dichloroethene	4.342	96	56869	21.714	ug/l	93
13) Acrolein	4.183	56	23244	83.072	ug/l	95
14) Allyl chloride	5.018	41	81345	20.933	ug/l #	85
15) Acrylonitrile	5.718	53	174470	127.965	ug/l	97
16) Acetone	4.430	43	132390	118.527	ug/l	94
17) Carbon Disulfide	4.712	76	129599	17.741	ug/l	96
18) Methyl Acetate	5.024	43	81475	29.901	ug/l	94
19) Methyl tert-butyl Ether	5.800	73	207985	23.186	ug/l	95
20) Methylene Chloride	5.271	84	66981	22.672	ug/l	89
21) trans-1,2-Dichloroethene	5.789	96	61298	20.978	ug/l	86
22) Diisopropyl ether	6.677	45	211352	23.976	ug/l #	93
23) Vinyl Acetate	6.606	43	843699	117.965	ug/l #	94
24) 1,1-Dichloroethane	6.571	63	119732	23.490	ug/l	96
25) 2-Butanone	7.483	43	225906	125.191	ug/l	92
26) 2,2-Dichloropropane	7.494	77	102714	21.507	ug/l	99
27) cis-1,2-Dichloroethene	7.489	96	75065	22.111	ug/l	91
28) Bromochloromethane	7.818	49	42800	20.255	ug/l #	73
29) Tetrahydrofuran	7.841	42	152265	126.405	ug/l	91
30) Chloroform	7.965	83	130249	24.038	ug/l	100
31) Cyclohexane	8.259	56	102038	20.818	ug/l #	80
32) 1,1,1-Trichloroethane	8.171	97	111162	22.526	ug/l	92
36) 1,1-Dichloropropene	8.377	75	90719	21.898	ug/l	98
37) Ethyl Acetate	7.565	43	92678	24.788	ug/l	98
38) Carbon Tetrachloride	8.365	117	94419	22.527	ug/l	95
39) Methylcyclohexane	9.600	83	103898	21.514	ug/l	89
40) Benzene	8.612	78	275639	22.987	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	51786	24.337	ug/l	94
42) 1,2-Dichloroethane	8.671	62	101071	24.159	ug/l	99
43) Isopropyl Acetate	8.688	43	158298	24.208	ug/l	96
44) Trichloroethene	9.353	130	69356	21.716	ug/l	93
45) 1,2-Dichloropropane	9.630	63	70197	23.403	ug/l	95
46) Dibromomethane	9.712	93	54047	24.730	ug/l	92
47) Bromodichloromethane	9.894	83	98825	23.875	ug/l #	91
48) Methyl methacrylate	9.682	41	73182	24.052	ug/l	92
49) 1,4-Dioxane	9.694	88	30344	522.895	ug/l	89
51) 4-Methyl-2-Pentanone	10.447	43	493868	131.293	ug/l	94
52) Toluene	10.635	92	177334	23.360	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	105734	22.987	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	113091	22.756	ug/l	92
55) 1,1,2-Trichloroethane	11.018	97	75045	25.703	ug/l	93
56) Ethyl methacrylate	10.877	69	103224	23.132	ug/l	91
57) 1,3-Dichloropropane	11.165	76	121197	24.007	ug/l	95
58) 2-Chloroethyl Vinyl ether	10.165	63	254299	113.580	ug/l #	88
59) 2-Hexanone	11.200	43	363189	121.786	ug/l	95
60) Dibromochloromethane	11.365	129	74305	23.956	ug/l	96
61) 1,2-Dibromoethane	11.476	107	74010	24.105	ug/l	99
64) Tetrachloroethene	11.106	164	63183	23.109	ug/l	95
65) Chlorobenzene	11.894	112	186573	21.519	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	67473	21.667	ug/l	95
67) Ethyl Benzene	11.965	91	333128	21.472	ug/l	98
68) m/p-Xylenes	12.076	106	246863	41.512	ug/l	99
69) o-Xylene	12.400	106	123335	20.923	ug/l	94
70) Styrene	12.412	104	205257	21.974	ug/l	96
71) Bromoform	12.582	173	46226	23.397	ug/l #	97
73) Isopropylbenzene	12.700	105	322859	20.355	ug/l	99
74) N-amyl acetate	12.494	43	133800	19.959	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.941	83	105414	23.635	ug/l	97
76) 1,2,3-Trichloropropane	12.994	75	84584m	20.535	ug/l	
77) Bromobenzene	12.982	156	72888	20.609	ug/l	82
78) n-propylbenzene	13.041	91	394926	21.629	ug/l	99
79) 2-Chlorotoluene	13.129	91	230411	20.573	ug/l	91
80) 1,3,5-Trimethylbenzene	13.176	105	271625	21.121	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.741	75	32446	20.275	ug/l #	85
82) 4-Chlorotoluene	13.223	91	229465	20.954	ug/l	95
83) tert-Butylbenzene	13.441	119	235512	21.179	ug/l	94
84) 1,2,4-Trimethylbenzene	13.482	105	279348	21.798	ug/l	97
85) sec-Butylbenzene	13.618	105	339104	21.935	ug/l	95
86) p-Isopropyltoluene	13.735	119	278381	21.680	ug/l	96
87) 1,3-Dichlorobenzene	13.735	146	139430	20.865	ug/l	97
88) 1,4-Dichlorobenzene	13.818	146	137785	20.984	ug/l	99
89) n-Butylbenzene	14.059	91	241850	21.619	ug/l	98
90) Hexachloroethane	14.335	117	47247	22.260	ug/l	93
91) 1,2-Dichlorobenzene	14.112	146	136908	21.243	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.723	75	20836	22.470	ug/l	83
93) 1,2,4-Trichlorobenzene	15.394	180	72073	20.045	ug/l	99
94) Hexachlorobutadiene	15.506	225	28863	21.524	ug/l	94
95) Naphthalene	15.647	128	266055	20.192	ug/l	98
96) 1,2,3-Trichlorobenzene	15.841	180	73255	20.537	ug/l	95

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

