

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052224\
 Data File : VN082285.D
 Acq On : 22 May 2024 11:49
 Operator : JC\MD
 Sample : VN0522WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0522WBS01

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

05/23/2024
 Supervised By :Mahesh
 Dadoda

Quant Time: May 23 01:49:26 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 16 05:21:06 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	225683	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	385231	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	341629	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	154267	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	176210	49.447	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.900%
35) Dibromofluoromethane	8.165	113	120947	51.038	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.080%
50) Toluene-d8	10.571	98	441895	48.637	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.280%
62) 4-Bromofluorobenzene	12.853	95	162593	50.139	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	=	100.280%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	56845	17.470	ug/l	96
3) Chloromethane	2.360	50	60028	16.279	ug/l	96
4) Vinyl Chloride	2.512	62	59363	17.124	ug/l	98
5) Bromomethane	2.965	94	33697	16.911	ug/l	99
6) Chloroethane	3.124	64	38847	17.162	ug/l	98
7) Trichlorofluoromethane	3.501	101	86050	18.956	ug/l	97
8) Diethyl Ether	3.959	74	32763	20.260	ug/l	75
9) 1,1,2-Trichlorotrifluo...	4.377	101	48344	18.231	ug/l	99
10) Methyl Iodide	4.595	142	47293	17.741	ug/l	95
11) Tert butyl alcohol	5.518	59	58112	101.588	ug/l	99
12) 1,1-Dichloroethene	4.342	96	45532	18.473	ug/l #	81
13) Acrolein	4.177	56	31578	74.494	ug/l	100
14) Allyl chloride	5.030	41	92549	17.538	ug/l #	90
15) Acrylonitrile	5.724	53	143262	96.700	ug/l	100
16) Acetone	4.424	43	131189	89.742	ug/l	90
17) Carbon Disulfide	4.712	76	123947	15.570	ug/l	100
18) Methyl Acetate	5.030	43	71353	19.599	ug/l #	87
19) Methyl tert-butyl Ether	5.795	73	181969	20.198	ug/l	95
20) Methylene Chloride	5.283	84	54357	18.430	ug/l #	78
21) trans-1,2-Dichloroethene	5.795	96	48157	17.929	ug/l #	83
22) Diisopropyl ether	6.677	45	206716	18.760	ug/l #	92
23) Vinyl Acetate	6.606	43	816868	94.026	ug/l #	90
24) 1,1-Dichloroethane	6.571	63	105644	18.601	ug/l	96
25) 2-Butanone	7.483	43	210909	95.159	ug/l #	83
26) 2,2-Dichloropropane	7.500	77	86360	18.154	ug/l	97
27) cis-1,2-Dichloroethene	7.483	96	60983	19.239	ug/l	82
28) Bromochloromethane	7.818	49	43619	17.084	ug/l #	78
29) Tetrahydrofuran	7.842	42	140971	99.063	ug/l #	83
30) Chloroform	7.965	83	105666	19.482	ug/l	98
31) Cyclohexane	8.259	56	94058	16.526	ug/l	86
32) 1,1,1-Trichloroethane	8.171	97	92090	19.139	ug/l	95
36) 1,1-Dichloropropene	8.371	75	72667	18.283	ug/l	96
37) Ethyl Acetate	7.559	43	87370	19.643	ug/l #	93
38) Carbon Tetrachloride	8.359	117	78071	19.377	ug/l	96
39) Methylcyclohexane	9.600	83	77825	17.864	ug/l #	88
40) Benzene	8.606	78	223769	18.880	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	47830	18.285	ug/l #	87
42) 1,2-Dichloroethane	8.671	62	89788	19.698	ug/l	94
43) Isopropyl Acetate	8.689	43	156679	19.880	ug/l #	88
44) Trichloroethene	9.353	130	50494	18.756	ug/l	93
45) 1,2-Dichloropropane	9.624	63	56569	18.499	ug/l	98
46) Dibromomethane	9.712	93	39446	19.648	ug/l	97
47) Bromodichloromethane	9.888	83	81979	19.343	ug/l	98
48) Methyl methacrylate	9.683	41	74369	19.803	ug/l #	82
49) 1,4-Dioxane	9.700	88	23599	448.439	ug/l #	84
51) 4-Methyl-2-Pentanone	10.447	43	449672	100.419	ug/l	91
52) Toluene	10.630	92	134626	18.928	ug/l	95
53) t-1,3-Dichloropropene	10.835	75	86638	19.765	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	91279	19.673	ug/l #	80
55) 1,1,2-Trichloroethane	11.018	97	52194	20.194	ug/l	96
56) Ethyl methacrylate	10.877	69	89657	20.431	ug/l #	69
57) 1,3-Dichloropropane	11.165	76	94721	19.600	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	231195	102.141	ug/l	91
59) 2-Hexanone	11.200	43	336802	102.721	ug/l	89
60) Dibromochloromethane	11.359	129	59396	20.823	ug/l	99
61) 1,2-Dibromoethane	11.471	107	52427	19.748	ug/l	96
64) Tetrachloroethene	11.106	164	49822	19.676	ug/l	90
65) Chlorobenzene	11.894	112	142961	18.943	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	50649	20.374	ug/l	99
67) Ethyl Benzene	11.965	91	257234	19.053	ug/l	95
68) m/p-Xylenes	12.071	106	191127	38.627	ug/l	92
69) o-Xylene	12.400	106	92707	19.342	ug/l	90
70) Styrene	12.412	104	156312	19.634	ug/l	95
71) Bromoform	12.576	173	38597	19.948	ug/l #	95
73) Isopropylbenzene	12.700	105	241931	19.740	ug/l	98
74) N-amyl acetate	12.494	43	131218	19.465	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.941	83	68987	19.527	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	68960m	21.238	ug/l	
77) Bromobenzene	12.982	156	57699	19.755	ug/l	90
78) n-propylbenzene	13.035	91	282493	19.465	ug/l	95
79) 2-Chlorotoluene	13.129	91	171093	18.774	ug/l	94
80) 1,3,5-Trimethylbenzene	13.176	105	198598	20.040	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	26175m	18.855	ug/l	
82) 4-Chlorotoluene	13.224	91	172027	19.307	ug/l	95
83) tert-Butylbenzene	13.441	119	170302	19.644	ug/l	95
84) 1,2,4-Trimethylbenzene	13.482	105	203636	20.085	ug/l	96
85) sec-Butylbenzene	13.618	105	233672	19.445	ug/l	97
86) p-Isopropyltoluene	13.729	119	193462	19.810	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	103431	19.547	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	103073	19.086	ug/l	96
89) n-Butylbenzene	14.059	91	167647	19.099	ug/l	98
90) Hexachloroethane	14.335	117	34618	19.132	ug/l	96
91) 1,2-Dichlorobenzene	14.106	146	100681	20.101	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.718	75	15064	20.753	ug/l	88
93) 1,2,4-Trichlorobenzene	15.394	180	55625	19.813	ug/l	98
94) Hexachlorobutadiene	15.500	225	22103	17.942	ug/l	97
95) Naphthalene	15.647	128	184691	20.991	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	55291	19.672	ug/l	97

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

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