

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052024\
 Data File : VN082203.D
 Acq On : 20 May 2024 12:24
 Operator : JC\MD
 Sample : VN0520WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0520WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/21/2024
 Supervised By : Mahesh Dadoda 05/21/2024

Quant Time: May 21 03:44:47 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	8.224	168	200295	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	341951	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	306439	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	138766	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	146137	46.206	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.420%		
35) Dibromofluoromethane	8.165	113	102206	48.588	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.180%		
50) Toluene-d8	10.570	98	384468	47.673	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.340%		
62) 4-Bromofluorobenzene	12.847	95	131040	45.524	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery =	91.040%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	52101	18.042	ug/l	99
3) Chloromethane	2.359	50	57102	17.448	ug/l	97
4) Vinyl Chloride	2.518	62	54592	17.744	ug/l	100
5) Bromomethane	2.959	94	30954	17.503	ug/l	99
6) Chloroethane	3.124	64	37208	18.521	ug/l	99
7) Trichlorofluoromethane	3.500	101	75348	18.702	ug/l	95
8) Diethyl Ether	3.959	74	25633	17.860	ug/l	67
9) 1,1,2-Trichlorotrifluo...	4.383	101	42632	18.114	ug/l	97
10) Methyl Iodide	4.594	142	37934	16.033	ug/l	96
11) Tert butyl alcohol	5.524	59	47206	92.983	ug/l	97
12) 1,1-Dichloroethene	4.341	96	39322	17.976	ug/l #	78
13) Acrolein	4.183	56	28366	75.399	ug/l	95
14) Allyl chloride	5.024	41	81130	17.323	ug/l #	90
15) Acrylonitrile	5.718	53	121837	92.663	ug/l	99
16) Acetone	4.424	43	114490	88.246	ug/l	92
17) Carbon Disulfide	4.712	76	118026	16.706	ug/l	100
18) Methyl Acetate	5.024	43	60169	18.622	ug/l #	86
19) Methyl tert-butyl Ether	5.800	73	147519	18.450	ug/l #	91
20) Methylene Chloride	5.277	84	48951	18.700	ug/l #	74
21) trans-1,2-Dichloroethene	5.788	96	42120	17.669	ug/l #	76
22) Diisopropyl ether	6.677	45	180827	18.490	ug/l #	92
23) Vinyl Acetate	6.600	43	708699	91.915	ug/l #	90
24) 1,1-Dichloroethane	6.565	63	92074	18.266	ug/l	97
25) 2-Butanone	7.482	43	183050	93.058	ug/l #	82
26) 2,2-Dichloropropane	7.494	77	79515	18.834	ug/l	96
27) cis-1,2-Dichloroethene	7.488	96	52755	18.752	ug/l	83
28) Bromochloromethane	7.812	49	38743	17.098	ug/l #	74
29) Tetrahydrofuran	7.841	42	116452	92.205	ug/l #	83
30) Chloroform	7.965	83	91592	19.028	ug/l	98
31) Cyclohexane	8.253	56	84558	16.740	ug/l #	83
32) 1,1,1-Trichloroethane	8.171	97	80046	18.744	ug/l	93
36) 1,1-Dichloropropene	8.371	75	64344	18.238	ug/l	95
37) Ethyl Acetate	7.559	43	74156	18.782	ug/l #	95
38) Carbon Tetrachloride	8.359	117	67674	18.923	ug/l	98
39) Methylcyclohexane	9.600	83	70892	18.332	ug/l #	84
40) Benzene	8.606	78	195664	18.599	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	42000	18.088	ug/l #	86
42) 1,2-Dichloroethane	8.671	62	75361	18.625	ug/l	94
43) Isopropyl Acetate	8.688	43	140658	20.106	ug/l #	86
44) Trichloroethene	9.353	130	44849	18.767	ug/l	93
45) 1,2-Dichloropropane	9.623	63	51398	18.935	ug/l	98
46) Dibromomethane	9.706	93	33885	19.014	ug/l	98
47) Bromodichloromethane	9.888	83	70510	18.742	ug/l	97
48) Methyl methacrylate	9.682	41	61698	18.508	ug/l #	82
49) 1,4-Dioxane	9.694	88	18968	406.059	ug/l #	81
51) 4-Methyl-2-Pentanone	10.447	43	384101	96.632	ug/l	89
52) Toluene	10.629	92	118422	18.757	ug/l	97
53) t-1,3-Dichloropropene	10.835	75	74969	19.268	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	78625	19.090	ug/l #	78
55) 1,1,2-Trichloroethane	11.018	97	43418	18.924	ug/l	98
56) Ethyl methacrylate	10.876	69	72680	18.659	ug/l #	71
57) 1,3-Dichloropropane	11.165	76	79313	18.489	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	163879	81.565	ug/l	90
59) 2-Hexanone	11.194	43	282377	97.023	ug/l	88
60) Dibromochloromethane	11.359	129	49935	19.722	ug/l	98
61) 1,2-Dibromoethane	11.470	107	43412	18.422	ug/l	100
64) Tetrachloroethene	11.106	164	44420	19.557	ug/l	94
65) Chlorobenzene	11.894	112	125100	18.479	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	44528	19.969	ug/l	98
67) Ethyl Benzene	11.964	91	223650	18.468	ug/l	96
68) m/p-Xylenes	12.070	106	165694	37.332	ug/l	93
69) o-Xylene	12.400	106	79475	18.485	ug/l	91
70) Styrene	12.412	104	135381	18.958	ug/l	96
71) Bromoform	12.576	173	32464	18.749	ug/l #	97
73) Isopropylbenzene	12.694	105	204273	18.530	ug/l	98
74) N-amyl acetate	12.494	43	109792	18.106	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.941	83	58793	18.501	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	56209m	19.245	ug/l	
77) Bromobenzene	12.982	156	48395	18.421	ug/l	84
78) n-propylbenzene	13.035	91	243375	18.643	ug/l	97
79) 2-Chlorotoluene	13.123	91	151422	18.472	ug/l	93
80) 1,3,5-Trimethylbenzene	13.176	105	172149	19.312	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.735	75	22252	17.820	ug/l #	77
82) 4-Chlorotoluene	13.223	91	150697	18.802	ug/l	95
83) tert-Butylbenzene	13.441	119	143600	18.414	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	173058	18.976	ug/l	98
85) sec-Butylbenzene	13.617	105	204362	18.906	ug/l	97
86) p-Isopropyltoluene	13.729	119	164509	18.727	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	90103	18.930	ug/l	98
88) 1,4-Dichlorobenzene	13.811	146	89969	18.520	ug/l	98
89) n-Butylbenzene	14.058	91	145797	18.465	ug/l	98
90) Hexachloroethane	14.335	117	31684	19.466	ug/l	96
91) 1,2-Dichlorobenzene	14.106	146	86844	19.276	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	12609	19.312	ug/l	84
93) 1,2,4-Trichlorobenzene	15.394	180	45245	17.916	ug/l	97
94) Hexachlorobutadiene	15.500	225	19609	17.695	ug/l	97
95) Naphthalene	15.641	128	142137	17.959	ug/l	98
96) 1,2,3-Trichlorobenzene	15.841	180	45227	17.889	ug/l	96

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

