

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN053124\
 Data File : VN082401.D
 Acq On : 31 May 2024 12:21
 Operator : JC\MD
 Sample : VN0531WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0531WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/03/2024
 Supervised By : Mahesh Dadoda 06/03/2024

Quant Time: May 31 22:55:26 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	8.224	168	170057	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	285861	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	261279	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	120722	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	139714	52.030	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.060%			
35) Dibromofluoromethane	8.171	113	96168	54.688	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.380%			
50) Toluene-d8	10.565	98	345113	51.189	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.380%			
62) 4-Bromofluorobenzene	12.847	95	124562	51.764	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 103.520%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	44756	18.254	ug/l	98
3) Chloromethane	2.360	50	49594	17.848	ug/l	100
4) Vinyl Chloride	2.518	62	67052	25.669	ug/l	97
5) Bromomethane	2.965	94	31423	20.928	ug/l	94
6) Chloroethane	3.124	64	32604	19.115	ug/l	95
7) Trichlorofluoromethane	3.501	101	69420	20.295	ug/l	98
8) Diethyl Ether	3.959	74	27184	22.308	ug/l	74
9) 1,1,2-Trichlorotrifluo...	4.371	101	40606	20.322	ug/l	99
10) Methyl Iodide	4.589	142	37873	18.854	ug/l	98
11) Tert butyl alcohol	5.518	59	43336	100.538	ug/l	99
12) 1,1-Dichloroethene	4.342	96	36463	19.633	ug/l #	81
13) Acrolein	4.177	56	33216	103.989	ug/l	99
14) Allyl chloride	5.024	41	82193	20.671	ug/l #	89
15) Acrylonitrile	5.712	53	121675	108.994	ug/l	99
16) Acetone	4.430	43	109185	99.121	ug/l #	87
17) Carbon Disulfide	4.712	76	94268	15.715	ug/l	97
18) Methyl Acetate	5.018	43	64793	23.619	ug/l #	88
19) Methyl tert-butyl Ether	5.800	73	152727	22.498	ug/l	100
20) Methylene Chloride	5.277	84	46267	20.818	ug/l #	77
21) trans-1,2-Dichloroethene	5.789	96	39636	19.584	ug/l #	78
22) Diisopropyl ether	6.671	45	179247	21.588	ug/l #	93
23) Vinyl Acetate	6.600	43	691371	105.611	ug/l #	90
24) 1,1-Dichloroethane	6.565	63	90077	21.048	ug/l	98
25) 2-Butanone	7.483	43	171526	102.704	ug/l #	84
26) 2,2-Dichloropropane	7.489	77	75730	21.126	ug/l	96
27) cis-1,2-Dichloroethene	7.489	96	50429	21.113	ug/l	82
28) Bromochloromethane	7.812	49	39893	20.834	ug/l #	76
29) Tetrahydrofuran	7.836	42	111824	104.285	ug/l #	84
30) Chloroform	7.965	83	91765	22.454	ug/l	99
31) Cyclohexane	8.259	56	72848	16.986	ug/l	87
32) 1,1,1-Trichloroethane	8.171	97	77406	21.349	ug/l	94
36) 1,1-Dichloropropene	8.371	75	58265	19.756	ug/l	97
37) Ethyl Acetate	7.559	43	72163	21.864	ug/l #	94
38) Carbon Tetrachloride	8.365	117	65205	21.810	ug/l	95
39) Methylcyclohexane	9.606	83	61776	19.109	ug/l #	88
40) Benzene	8.606	78	189393	21.535	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	41312	21.283	ug/l #	87
42) 1,2-Dichloroethane	8.671	62	76567	22.637	ug/l	95
43) Isopropyl Acetate	8.689	43	129293	22.107	ug/l #	89
44) Trichloroethene	9.353	130	41757	20.902	ug/l	92
45) 1,2-Dichloropropane	9.618	63	49144	21.657	ug/l	95
46) Dibromomethane	9.712	93	34037	22.847	ug/l	98
47) Bromodichloromethane	9.888	83	73172	23.266	ug/l	98
48) Methyl methacrylate	9.677	41	63661	22.844	ug/l #	81
49) 1,4-Dioxane	9.700	88	17618	451.162	ug/l #	78
51) 4-Methyl-2-Pentanone	10.447	43	376888	113.422	ug/l	90
52) Toluene	10.630	92	116078	21.994	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	74700	22.966	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	77820	22.602	ug/l #	79
55) 1,1,2-Trichloroethane	11.018	97	45926	23.945	ug/l	98
56) Ethyl methacrylate	10.877	69	74837	22.982	ug/l #	72
57) 1,3-Dichloropropane	11.165	76	81368	22.690	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	184423	109.801	ug/l	91
59) 2-Hexanone	11.194	43	274241	112.716	ug/l	89
60) Dibromochloromethane	11.359	129	52448	24.779	ug/l	100
61) 1,2-Dibromoethane	11.471	107	44530	22.604	ug/l	99
64) Tetrachloroethene	11.106	164	42099	21.739	ug/l	95
65) Chlorobenzene	11.894	112	125237	21.697	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	44688	23.504	ug/l	99
67) Ethyl Benzene	11.965	91	223635	21.659	ug/l	97
68) m/p-Xylenes	12.071	106	162818	43.025	ug/l	94
69) o-Xylene	12.400	106	78973	21.544	ug/l	93
70) Styrene	12.412	104	134215	22.043	ug/l	95
71) Bromoform	12.576	173	34944	23.486	ug/l #	94
73) Isopropylbenzene	12.694	105	205852	21.464	ug/l	97
74) N-amyl acetate	12.494	43	109385	20.735	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.941	83	62640	22.658	ug/l	97
76) 1,2,3-Trichloropropane	12.994	75	59095m	23.257	ug/l	
77) Bromobenzene	12.982	156	49781	21.780	ug/l	88
78) n-propylbenzene	13.035	91	238649	21.013	ug/l	97
79) 2-Chlorotoluene	13.124	91	150600	21.118	ug/l	93
80) 1,3,5-Trimethylbenzene	13.176	105	167818	21.640	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.741	75	26091	24.017	ug/l #	87
82) 4-Chlorotoluene	13.224	91	148492	21.296	ug/l	96
83) tert-Butylbenzene	13.441	119	144263	21.264	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	169522	21.367	ug/l	99
85) sec-Butylbenzene	13.618	105	200466	21.318	ug/l	98
86) p-Isopropyltoluene	13.729	119	166042	21.726	ug/l	97
87) 1,3-Dichlorobenzene	13.735	146	91403	22.074	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	91013	21.535	ug/l	97
89) n-Butylbenzene	14.059	91	141866	20.653	ug/l	98
90) Hexachloroethane	14.329	117	30607	21.615	ug/l	93
91) 1,2-Dichlorobenzene	14.106	146	88687	22.627	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	12923	22.751	ug/l	85
93) 1,2,4-Trichlorobenzene	15.394	180	46766	21.286	ug/l	95
94) Hexachlorobutadiene	15.500	225	20146	20.897	ug/l	98
95) Naphthalene	15.641	128	153824	22.341	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	47193	21.457	ug/l	99

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

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