

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050924\
 Data File : VN082043.D
 Acq On : 09 May 2024 12:01
 Operator : JC\MD
 Sample : VN0509WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0509WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/10/2024
 Supervised By : Mahesh Dadoda 05/10/2024

Quant Time: May 10 03:48:37 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042524W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 26 05:26:49 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	143362	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	296735	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	259737	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	99460	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	128837	53.248	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.500%			
35) Dibromofluoromethane	8.165	113	95931	53.695	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.380%			
50) Toluene-d8	10.565	98	384897	54.854	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.700%			
62) 4-Bromofluorobenzene	12.847	95	124318	44.819	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 89.640%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	34431	17.109	ug/l	94
3) Chloromethane	2.365	50	44037	20.976	ug/l	99
4) Vinyl Chloride	2.512	62	40407	21.262	ug/l	93
5) Bromomethane	2.965	94	20054	21.926	ug/l	98
6) Chloroethane	3.124	64	25308	26.348	ug/l #	83
7) Trichlorofluoromethane	3.494	101	50793	17.278	ug/l	97
8) Diethyl Ether	3.965	74	24967	19.993	ug/l	80
9) 1,1,2-Trichlorotrifluo...	4.365	101	37126	21.752	ug/l #	87
10) Methyl Iodide	4.583	142	29150	19.499	ug/l	92
11) Tert butyl alcohol	5.524	59	40375	91.791	ug/l #	87
12) 1,1-Dichloroethene	4.347	96	35424	20.401	ug/l	90
13) Acrolein	4.177	56	31423	86.799	ug/l	99
14) Allyl chloride	5.024	41	65024	17.704	ug/l #	88
15) Acrylonitrile	5.724	53	111694	105.751	ug/l	98
16) Acetone	4.424	43	79582	108.124	ug/l	96
17) Carbon Disulfide	4.712	76	89256	17.102	ug/l	97
18) Methyl Acetate	5.024	43	53123	21.676	ug/l	92
19) Methyl tert-butyl Ether	5.794	73	123889	18.908	ug/l #	91
20) Methylene Chloride	5.271	84	44919	21.663	ug/l	89
21) trans-1,2-Dichloroethene	5.783	96	36194	19.118	ug/l	86
22) Diisopropyl ether	6.671	45	153589	21.610	ug/l #	91
23) Vinyl Acetate	6.606	43	577573	100.018	ug/l #	93
24) 1,1-Dichloroethane	6.565	63	81352	21.992	ug/l	97
25) 2-Butanone	7.488	43	142407	103.698	ug/l	89
26) 2,2-Dichloropropane	7.488	77	63243	18.585	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	46980	21.236	ug/l	86
28) Bromochloromethane	7.818	49	44976	25.581	ug/l #	73
29) Tetrahydrofuran	7.841	42	94823	96.287	ug/l	90
30) Chloroform	7.965	83	74141	20.220	ug/l	93
31) Cyclohexane	8.265	56	73002	20.028	ug/l #	83
32) 1,1,1-Trichloroethane	8.171	97	59362	18.154	ug/l #	91
36) 1,1-Dichloropropene	8.371	75	51231	17.626	ug/l	99
37) Ethyl Acetate	7.559	43	55151	17.549	ug/l	98
38) Carbon Tetrachloride	8.365	117	47552	16.739	ug/l	92
39) Methylcyclohexane	9.606	83	59302	16.800	ug/l	94
40) Benzene	8.612	78	174446	19.993	ug/l	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	33711	16.811	ug/l	93
42) 1,2-Dichloroethane	8.671	62	56394	17.405	ug/l	97
43) Isopropyl Acetate	8.688	43	109560	18.541	ug/l #	92
44) Trichloroethene	9.353	130	34325	17.063	ug/l	99
45) 1,2-Dichloropropane	9.624	63	44096	19.311	ug/l	99
46) Dibromomethane	9.706	93	28242	17.894	ug/l #	87
47) Bromodichloromethane	9.888	83	56790	17.061	ug/l #	92
48) Methyl methacrylate	9.676	41	47966	17.004	ug/l	90
49) 1,4-Dioxane	9.688	88	15484	361.145	ug/l #	74
51) 4-Methyl-2-Pentanone	10.447	43	318728	95.816	ug/l	94
52) Toluene	10.629	92	102799	19.674	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	61753	17.050	ug/l	95
54) cis-1,3-Dichloropropene	10.312	75	69145	18.524	ug/l #	85
55) 1,1,2-Trichloroethane	11.018	97	38164	18.571	ug/l	96
56) Ethyl methacrylate	10.876	69	67259	17.188	ug/l #	78
57) 1,3-Dichloropropane	11.165	76	69481	19.018	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	192802	108.156	ug/l #	88
59) 2-Hexanone	11.194	43	232474	93.908	ug/l	95
60) Dibromochloromethane	11.359	129	38831	17.840	ug/l	99
61) 1,2-Dibromoethane	11.465	107	37578	19.122	ug/l	95
64) Tetrachloroethene	11.106	164	27177	14.406	ug/l	92
65) Chlorobenzene	11.888	112	104829	18.481	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	34820	18.889	ug/l	94
67) Ethyl Benzene	11.965	91	187652	17.789	ug/l	100
68) m/p-Xylenes	12.070	106	140454	37.329	ug/l	94
69) o-Xylene	12.400	106	71230	19.390	ug/l	98
70) Styrene	12.412	104	112641	17.726	ug/l	94
71) Bromoform	12.582	173	20547	14.178	ug/l #	98
73) Isopropylbenzene	12.694	105	173135	19.579	ug/l	98
74) N-amyl acetate	12.494	43	93948	19.082	ug/l	90
75) 1,1,2,2-Tetrachloroethane	12.941	83	55657	20.959	ug/l	97
76) 1,2,3-Trichloropropane	12.994	75	47521m	18.428	ug/l	
77) Bromobenzene	12.976	156	34071	18.412	ug/l	66
78) n-propylbenzene	13.035	91	208714	19.431	ug/l	97
79) 2-Chlorotoluene	13.123	91	125743	18.400	ug/l	90
80) 1,3,5-Trimethylbenzene	13.176	105	139168	18.598	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.741	75	23303	18.517	ug/l #	90
82) 4-Chlorotoluene	13.223	91	124154	18.713	ug/l	91
83) tert-Butylbenzene	13.441	119	116165	18.641	ug/l	95
84) 1,2,4-Trimethylbenzene	13.482	105	138443	18.526	ug/l	97
85) sec-Butylbenzene	13.617	105	172607	19.664	ug/l	96
86) p-Isopropyltoluene	13.729	119	135584	19.237	ug/l	95
87) 1,3-Dichlorobenzene	13.735	146	63348	18.347	ug/l	98
88) 1,4-Dichlorobenzene	13.811	146	64504	18.971	ug/l	92
89) n-Butylbenzene	14.053	91	125271	19.095	ug/l	96
90) Hexachloroethane	14.335	117	25841	18.638	ug/l	83
91) 1,2-Dichlorobenzene	14.111	146	65250	19.713	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.717	75	10878	16.826	ug/l	75
93) 1,2,4-Trichlorobenzene	15.394	180	31378	16.945	ug/l	98
94) Hexachlorobutadiene	15.500	225	11628	17.036	ug/l	94
95) Naphthalene	15.641	128	120726	17.253	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	31322	17.617	ug/l	99

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

