

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
 Data File : VN084223.D
 Acq On : 30 Sep 2024 17:42
 Operator : JC\MD
 Sample : VN0930WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0930WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/01/2024
 Supervised By : Mahesh Dadoda 10/01/2024

Quant Time: Oct 01 07:15:13 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 01 07:11:01 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	179631	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	305301	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	271282	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	131278	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	133921	50.283	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	100.560%
35) Dibromofluoromethane	8.165	113	102387	50.870	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.740%
50) Toluene-d8	10.565	98	390781	52.772	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	105.540%
62) 4-Bromofluorobenzene	12.847	95	145218	53.830	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	107.660%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.130	85	38774	18.249	ug/l	94
3) Chloromethane	2.359	50	42505	17.520	ug/l	95
4) Vinyl Chloride	2.512	62	42630	18.140	ug/l	99
5) Bromomethane	2.965	94	26795	17.286	ug/l	99
6) Chloroethane	3.124	64	27766	16.498	ug/l	91
7) Trichlorofluoromethane	3.501	101	66623	18.206	ug/l	95
8) Diethyl Ether	3.965	74	23709	17.469	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.371	101	37154	17.719	ug/l	99
10) Methyl Iodide	4.595	142	48120	17.820	ug/l	94
11) Tert butyl alcohol	5.530	59	35637	81.147	ug/l	99
12) 1,1-Dichloroethene	4.342	96	36693	18.142	ug/l	95
13) Acrolein	4.177	56	46301	91.836	ug/l	97
14) Allyl chloride	5.030	41	60584	17.248	ug/l	99
15) Acrylonitrile	5.718	53	97967	88.337	ug/l	98
16) Acetone	4.430	43	104322	91.181	ug/l	96
17) Carbon Disulfide	4.712	76	108953	17.015	ug/l	99
18) Methyl Acetate	5.030	43	43284	17.357	ug/l	98
19) Methyl tert-butyl Ether	5.795	73	122595	17.959	ug/l	98
20) Methylene Chloride	5.277	84	41090	17.667	ug/l	90
21) trans-1,2-Dichloroethene	5.783	96	38964	18.388	ug/l	98
22) Diisopropyl ether	6.671	45	135664	18.672	ug/l	98
23) Vinyl Acetate	6.606	43	497355	92.294	ug/l	99
24) 1,1-Dichloroethane	6.571	63	75335	18.541	ug/l	98
25) 2-Butanone	7.477	43	137494	88.232	ug/l	96
26) 2,2-Dichloropropane	7.489	77	66544	18.164	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	45351	17.712	ug/l	99
28) Bromochloromethane	7.812	49	33948	18.726	ug/l	99
29) Tetrahydrofuran	7.836	42	83183	86.499	ug/l	98
30) Chloroform	7.965	83	75736	17.945	ug/l	96
31) Cyclohexane	8.259	56	69029	17.498	ug/l	99
32) 1,1,1-Trichloroethane	8.171	97	68007	17.942	ug/l	97
36) 1,1-Dichloropropene	8.371	75	54357	18.593	ug/l	99
37) Ethyl Acetate	7.559	43	53890	17.967	ug/l	97
38) Carbon Tetrachloride	8.359	117	59448	18.537	ug/l	98
39) Methylcyclohexane	9.600	83	62343	19.160	ug/l	98
40) Benzene	8.606	78	169774	18.638	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	27494	16.885	ug/l	95
42) 1,2-Dichloroethane	8.665	62	58695	19.007	ug/l	100
43) Isopropyl Acetate	8.688	43	94280	16.048	ug/l	99
44) Trichloroethene	9.353	130	39307	18.476	ug/l	97
45) 1,2-Dichloropropane	9.624	63	41258	19.147	ug/l	99
46) Dibromomethane	9.706	93	28100	19.324	ug/l	100
47) Bromodichloromethane	9.888	83	59893	18.539	ug/l	96
48) Methyl methacrylate	9.682	41	42576	18.206	ug/l	98
49) 1,4-Dioxane	9.694	88	13922	323.362	ug/l #	78
51) 4-Methyl-2-Pentanone	10.441	43	265020	92.819	ug/l	98
52) Toluene	10.629	92	104690	18.847	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	61031	18.533	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	66204	18.690	ug/l	97
55) 1,1,2-Trichloroethane	11.018	97	38084	19.126	ug/l	94
56) Ethyl methacrylate	10.871	69	60249	18.388	ug/l	95
57) 1,3-Dichloropropane	11.165	76	65348	18.366	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	129575	85.249	ug/l	100
59) 2-Hexanone	11.194	43	202282	94.788	ug/l	99
60) Dibromochloromethane	11.359	129	43749	18.595	ug/l	99
61) 1,2-Dibromoethane	11.471	107	37663	18.203	ug/l	97
64) Tetrachloroethene	11.100	164	34850	18.444	ug/l	97
65) Chlorobenzene	11.888	112	110459	18.364	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	37795	18.243	ug/l	98
67) Ethyl Benzene	11.965	91	198257	18.638	ug/l	99
68) m/p-Xylenes	12.071	106	149877	38.090	ug/l	100
69) o-Xylene	12.400	106	70192	18.855	ug/l	98
70) Styrene	12.412	104	120473	19.105	ug/l	100
71) Bromoform	12.576	173	27774	18.209	ug/l #	97
73) Isopropylbenzene	12.694	105	182992	18.267	ug/l	100
74) N-amyl acetate	12.494	43	79826	17.597	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	52359	17.382	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	44859m	16.738	ug/l	
77) Bromobenzene	12.976	156	43554	18.024	ug/l	99
78) n-propylbenzene	13.035	91	222835	19.199	ug/l	99
79) 2-Chlorotoluene	13.123	91	133979	18.090	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	156715	19.178	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	20945	18.736	ug/l	92
82) 4-Chlorotoluene	13.218	91	140609	18.860	ug/l	100
83) tert-Butylbenzene	13.435	119	132393	18.229	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	158320	19.232	ug/l	98
85) sec-Butylbenzene	13.618	105	186416	19.234	ug/l	99
86) p-Isopropyltoluene	13.729	119	157222	19.618	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	82192	18.131	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	83918	18.331	ug/l	99
89) n-Butylbenzene	14.053	91	136610	18.799	ug/l	98
90) Hexachloroethane	14.329	117	28209	17.341	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	77053	17.335	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	10280	16.538	ug/l	99
93) 1,2,4-Trichlorobenzene	15.394	180	40706	18.593	ug/l	97
94) Hexachlorobutadiene	15.500	225	19113	17.505	ug/l	98
95) Naphthalene	15.641	128	125676	17.315	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	40371	18.421	ug/l	100

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

