

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120424\
 Data File : VN085102.D
 Acq On : 04 Dec 2024 18:25
 Operator : JC\MD
 Sample : P5088-04MS
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 UNIT-51-RS-SW001-01MS

Quant Time: Dec 04 22:11:38 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 02:54:10 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 12/05/2024
 Supervised By :Mahesh Dadoda 12/05/2024

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	158332	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	259564	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	227124	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	114296	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	115049	51.012	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	102.020%
35) Dibromofluoromethane	8.165	113	94835	54.179	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	108.360%
50) Toluene-d8	10.565	98	329967	52.601	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	105.200%
62) 4-Bromofluorobenzene	12.847	95	124403	53.030	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	106.060%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	77956	43.543	ug/l	100
3) Chloromethane	2.359	50	74298	35.780	ug/l	98
4) Vinyl Chloride	2.512	62	79227	42.456	ug/l	98
5) Bromomethane	2.948	94	45215	43.229	ug/l	95
6) Chloroethane	3.118	64	50770	40.364	ug/l	99
7) Trichlorofluoromethane	3.495	101	151627	47.765	ug/l	98
8) Diethyl Ether	3.959	74	54163	50.131	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.365	101	87259	48.466	ug/l	99
10) Methyl Iodide	4.589	142	101995	42.798	ug/l	94
11) Tert butyl alcohol	5.518	59	93779	311.163	ug/l	97
12) 1,1-Dichloroethene	4.342	96	78625	46.786	ug/l	96
13) Acrolein	4.177	56	65093	323.679	ug/l	98
14) Allyl chloride	5.024	41	117244	41.385	ug/l	91
15) Acrylonitrile	5.718	53	239216	280.355	ug/l	99
16) Acetone	4.424	43	192040	292.371	ug/l	99
17) Carbon Disulfide	4.712	76	176722	35.627	ug/l	99
18) Methyl Acetate	5.024	43	119714	57.188	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	295529	53.822	ug/l	100
20) Methylene Chloride	5.277	84	93490	46.644	ug/l	98
21) trans-1,2-Dichloroethene	5.783	96	80016	45.246	ug/l	87
22) Diisopropyl ether	6.671	45	293076	51.400	ug/l	97
23) Vinyl Acetate	6.600	43	1167488	296.797	ug/l	99
24) 1,1-Dichloroethane	6.565	63	167960	49.224	ug/l	100
25) 2-Butanone	7.477	43	307229	286.094	ug/l	99
26) 2,2-Dichloropropane	7.483	77	151987	47.702	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	106641	50.020	ug/l	99
28) Bromochloromethane	7.812	49	62599	48.600	ug/l	95
29) Tetrahydrofuran	7.835	42	198029	296.536	ug/l	99
30) Chloroform	7.965	83	180604	49.758	ug/l	98
31) Cyclohexane	8.253	56	125878	41.900	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	164481	50.148	ug/l	99
36) 1,1-Dichloropropene	8.365	75	112837	47.592	ug/l	98
37) Ethyl Acetate	7.559	43	121044	56.158	ug/l	99
38) Carbon Tetrachloride	8.359	117	142809	52.182	ug/l	98
39) Methylcyclohexane	9.600	83	117448	47.671	ug/l	95
40) Benzene	8.606	78	370783	49.446	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	67431	56.503	ug/l	95
42) 1,2-Dichloroethane	8.665	62	130846	51.004	ug/l	99
43) Isopropyl Acetate	8.688	43	220545	49.260	ug/l	99
44) Trichloroethene	9.347	130	87931	50.457	ug/l	98
45) 1,2-Dichloropropane	9.618	63	94150	50.976	ug/l	94
46) Dibromomethane	9.706	93	66500	51.816	ug/l	99
47) Bromodichloromethane	9.882	83	143787	52.862	ug/l	96
48) Methyl methacrylate	9.677	41	98381	59.050	ug/l	99
49) 1,4-Dioxane	9.694	88	36805	1273.861	ug/l	98
51) 4-Methyl-2-Pentanone	10.441	43	650442	318.069	ug/l	99
52) Toluene	10.629	92	228403	51.451	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	145092	53.206	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	149292	51.604	ug/l	98
55) 1,1,2-Trichloroethane	11.012	97	93428	56.502	ug/l	98
56) Ethyl methacrylate	10.871	69	151468	62.688	ug/l	99
57) 1,3-Dichloropropane	11.159	76	158297	54.394	ug/l	99
59) 2-Hexanone	11.194	43	481124	314.575	ug/l	100
60) Dibromochloromethane	11.359	129	112107	55.475	ug/l	99
61) 1,2-Dibromoethane	11.465	107	92539	54.076	ug/l	99
64) Tetrachloroethene	11.100	164	72675	47.487	ug/l	97
65) Chlorobenzene	11.888	112	253651	49.244	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	100426	55.375	ug/l	97
67) Ethyl Benzene	11.959	91	450515	53.910	ug/l	98
68) m/p-Xylenes	12.070	106	344075	108.147	ug/l	100
69) o-Xylene	12.394	106	165964	54.838	ug/l	99
70) Styrene	12.406	104	291395	57.898	ug/l	99
71) Bromoform	12.576	173	77662	57.690	ug/l #	99
73) Isopropylbenzene	12.694	105	432013	53.578	ug/l	100
74) N-amyl acetate	12.494	43	187182	56.335	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	138912	50.451	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	109670m	52.752	ug/l	
77) Bromobenzene	12.976	156	105735	48.729	ug/l	97
78) n-propylbenzene	13.035	91	506198	54.429	ug/l	99
79) 2-Chlorotoluene	13.123	91	317665	51.168	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	374700	55.379	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	54239	57.594	ug/l	96
82) 4-Chlorotoluene	13.217	91	320743	49.628	ug/l	100
83) tert-Butylbenzene	13.435	119	311362	53.484	ug/l	100
84) 1,2,4-Trimethylbenzene	13.482	105	373367	53.609	ug/l	99
85) sec-Butylbenzene	13.612	105	426840	54.276	ug/l	99
86) p-Isopropyltoluene	13.729	119	364257	56.110	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	196167	45.835	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	195543	44.771	ug/l	98
89) n-Butylbenzene	14.053	91	295269	48.908	ug/l	99
90) Hexachloroethane	14.335	117	70773	50.014	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	189519	46.211	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	27199	51.085	ug/l	95
93) 1,2,4-Trichlorobenzene	15.394	180	93438	41.937	ug/l	99
94) Hexachlorobutadiene	15.500	225	42485	41.317	ug/l	97
95) Naphthalene	15.641	128	304865	48.042	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	92423	43.474	ug/l	98

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

