

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100324\
 Data File : VN084299.D
 Acq On : 03 Oct 2024 15:27
 Operator : JC\MD
 Sample : P4226-25MSD
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RW4-20240927MSD

Quant Time: Oct 04 01:36:31 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

Manual Integrations APPROVED

Reviewed By : John Carlone 10/04/2024
 Supervised By : Mahesh Dadoda 10/04/2024

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	162332	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	283371	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	251318	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	127806	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	115062	47.806	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	95.620%
35) Dibromofluoromethane	8.171	113	89820	48.079	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.160%
50) Toluene-d8	10.565	98	339109	49.338	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.680%
62) 4-Bromofluorobenzene	12.847	95	122648	48.982	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	97.960%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	88832	46.263	ug/l	96
3) Chloromethane	2.359	50	102643	46.816	ug/l	97
4) Vinyl Chloride	2.512	62	103408	48.692	ug/l	99
5) Bromomethane	2.948	94	61710	44.053	ug/l	97
6) Chloroethane	3.112	64	61894	40.694	ug/l	92
7) Trichlorofluoromethane	3.495	101	160537	48.544	ug/l	98
8) Diethyl Ether	3.959	74	57641	46.996	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.371	101	105550	55.702	ug/l	98
10) Methyl Iodide	4.595	142	121244	49.685	ug/l	96
11) Tert butyl alcohol	5.524	59	94789	238.839	ug/l	98
12) 1,1-Dichloroethene	4.342	96	88104	48.204	ug/l	95
13) Acrolein	4.177	56	117660	258.243	ug/l	97
14) Allyl chloride	5.024	41	143610	45.242	ug/l	98
15) Acrylonitrile	5.724	53	244478	243.937	ug/l	99
16) Acetone	4.430	43	205540	198.792	ug/l	97
17) Carbon Disulfide	4.712	76	250761	43.333	ug/l	98
18) Methyl Acetate	5.024	43	108698	48.234	ug/l	98
19) Methyl tert-butyl Ether	5.800	73	303033	49.122	ug/l	100
20) Methylene Chloride	5.271	84	102661	48.845	ug/l	88
21) trans-1,2-Dichloroethene	5.789	96	94135	49.160	ug/l	97
22) Diisopropyl ether	6.671	45	331178	50.439	ug/l	98
23) Vinyl Acetate	6.600	43	1155949	237.368	ug/l	99
24) 1,1-Dichloroethane	6.571	63	182519	49.709	ug/l	99
25) 2-Butanone	7.483	43	336436	238.904	ug/l	98
26) 2,2-Dichloropropane	7.488	77	140835	42.540	ug/l	98
27) cis-1,2-Dichloroethene	7.488	96	115443	49.890	ug/l	97
28) Bromochloromethane	7.812	49	70311	42.918	ug/l	96
29) Tetrahydrofuran	7.841	42	225051	258.961	ug/l	100
30) Chloroform	7.965	83	188434	49.405	ug/l	98
31) Cyclohexane	8.259	56	159916	44.856	ug/l	99
32) 1,1,1-Trichloroethane	8.171	97	169601	49.513	ug/l	99
36) 1,1-Dichloropropene	8.371	75	131715	48.539	ug/l	99
37) Ethyl Acetate	7.559	43	129192	46.407	ug/l	98
38) Carbon Tetrachloride	8.365	117	148424	49.863	ug/l	97
39) Methylcyclohexane	9.600	83	145609	48.213	ug/l	99
40) Benzene	8.606	78	413685	48.930	ug/l	99

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41) Methacrylonitrile	7.777	41	77098	51.013	ug/l	99
42) 1,2-Dichloroethane	8.671	62	140188	48.911	ug/l	99
43) Isopropyl Acetate	8.688	43	220096	40.364	ug/l	99
44) Trichloroethene	9.353	130	931290	471.625	ug/l	97
45) 1,2-Dichloropropane	9.624	63	102348	51.173	ug/l	99
46) Dibromomethane	9.706	93	69417	51.432	ug/l	97
47) Bromodichloromethane	9.888	83	149695	49.922	ug/l	97
48) Methyl methacrylate	9.682	41	110882	51.083	ug/l	98
49) 1,4-Dioxane	9.694	88	42408	1061.227	ug/l	98
51) 4-Methyl-2-Pentanone	10.441	43	687336	259.358	ug/l	99
52) Toluene	10.629	92	255230	49.505	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	150341	49.185	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	157660	47.953	ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	95118	51.464	ug/l	98
56) Ethyl methacrylate	10.877	69	156794	51.557	ug/l	99
57) 1,3-Dichloropropane	11.165	76	164780	49.895	ug/l	99
59) 2-Hexanone	11.194	43	503938	254.417	ug/l	99
60) Dibromochloromethane	11.359	129	110498	50.600	ug/l	97
61) 1,2-Dibromoethane	11.471	107	94204	49.052	ug/l	99
64) Tetrachloroethene	11.106	164	93463	53.393	ug/l	96
65) Chlorobenzene	11.888	112	268911	48.258	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	95087	49.542	ug/l	99
67) Ethyl Benzene	11.965	91	487881	49.508	ug/l	98
68) m/p-Xylenes	12.071	106	372671	102.235	ug/l	99
69) o-Xylene	12.400	106	178257	51.686	ug/l	100
70) Styrene	12.412	104	306300	52.434	ug/l	98
71) Bromoform	12.576	173	72850	51.555	ug/l #	98
73) Isopropylbenzene	12.694	105	452784	46.426	ug/l	100
74) N-amyl acetate	12.494	43	193448	43.802	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	135203	46.104	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	115716m	44.349	ug/l	
77) Bromobenzene	12.976	156	109103	46.378	ug/l	96
78) n-propylbenzene	13.035	91	538687	47.673	ug/l	99
79) 2-Chlorotoluene	13.123	91	333215	46.213	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	387789	48.745	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	49076	45.093	ug/l	99
82) 4-Chlorotoluene	13.223	91	342462	47.181	ug/l	100
83) tert-Butylbenzene	13.435	119	327641	46.337	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	392360	48.958	ug/l	99
85) sec-Butylbenzene	13.618	105	450953	47.793	ug/l	99
86) p-Isopropyltoluene	13.729	119	378551	48.518	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	200808	45.501	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	202655	45.471	ug/l	100
89) n-Butylbenzene	14.053	91	327194	46.248	ug/l	99
90) Hexachloroethane	14.329	117	70146	44.291	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	197301	45.593	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	26433	43.679	ug/l	98
93) 1,2,4-Trichlorobenzene	15.394	180	94392	44.285	ug/l	97
94) Hexachlorobutadiene	15.500	225	41699	39.229	ug/l	99
95) Naphthalene	15.641	128	304688	43.119	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	93466	43.807	ug/l	99

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

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