

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091224\
 Data File : VN083866.D
 Acq On : 13 Sep 2024 10:11
 Operator : JC\MD
 Sample : P3957-10MSD
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW179D-20240910MSD

Manual Integrations
 APPROVED

Reviewed By :John Carlone 09/13/2024
 Supervised By :Mahesh Dadoda 09/13/2024

Quant Time: Sep 13 15:11:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 11 15:18:56 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	143528	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	252980	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	223172	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	111622	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	110637	51.121	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.240%			
35) Dibromofluoromethane	8.165	113	79892	49.330	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.660%			
50) Toluene-d8	10.565	98	289172	51.648	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.300%			
62) 4-Bromofluorobenzene	12.847	95	115971	50.205	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.400%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	80435	48.256	ug/l	98
3) Chloromethane	2.359	50	83667	49.121	ug/l	94
4) Vinyl Chloride	2.518	62	87897	48.109	ug/l	95
5) Bromomethane	2.900	94	49282	46.980	ug/l	97
6) Chloroethane	3.059	64	58571	45.702	ug/l	95
7) Trichlorofluoromethane	3.459	101	149107	48.079	ug/l	96
8) Diethyl Ether	3.953	74	51480	49.520	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.353	101	78489	47.749	ug/l	98
10) Methyl Iodide	4.577	142	101275	48.443	ug/l	97
11) Tert butyl alcohol	5.547	59	83912	289.545	ug/l	99
12) 1,1-Dichloroethene	4.324	96	76965	49.578	ug/l	92
13) Acrolein	4.171	56	63186	220.974	ug/l	97
14) Allyl chloride	5.012	41	131018	47.364	ug/l	97
15) Acrylonitrile	5.718	53	203445	258.135	ug/l	99
16) Acetone	4.430	43	180998	208.625	ug/l	97
17) Carbon Disulfide	4.694	76	192312	44.286	ug/l	100
18) Methyl Acetate	5.024	43	88079	48.677	ug/l	99
19) Methyl tert-butyl Ether	5.788	73	299926	53.390	ug/l	99
20) Methylene Chloride	5.265	84	84983	47.868	ug/l	95
21) trans-1,2-Dichloroethene	5.777	96	80050	48.116	ug/l	93
22) Diisopropyl ether	6.671	45	293776	51.592	ug/l	99
23) Vinyl Acetate	6.600	43	870234	208.689	ug/l	99
24) 1,1-Dichloroethane	6.565	63	162936	49.667	ug/l	98
25) 2-Butanone	7.482	43	279622	245.220	ug/l	99
26) 2,2-Dichloropropane	7.488	77	84706	28.037	ug/l	87
27) cis-1,2-Dichloroethene	7.482	96	179691	90.984	ug/l	94
28) Bromochloromethane	7.812	49	72783	52.683	ug/l	93
29) Tetrahydrofuran	7.835	42	181634	269.389	ug/l	98
30) Chloroform	7.965	83	169323	48.617	ug/l	99
31) Cyclohexane	8.253	56	137280	43.889	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	159399	49.774	ug/l	99
36) 1,1-Dichloropropene	8.371	75	113855	46.707	ug/l	100
37) Ethyl Acetate	7.559	43	96698	43.702	ug/l	98
38) Carbon Tetrachloride	8.359	117	134427	48.609	ug/l	96
39) Methylcyclohexane	9.600	83	124872	45.005	ug/l	97
40) Benzene	8.606	78	355790	48.492	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	67722	51.748	ug/l	98
42) 1,2-Dichloroethane	8.671	62	135644	49.476	ug/l	99
43) Isopropyl Acetate	8.688	43	191142	47.671	ug/l	98
44) Trichloroethene	9.353	130	356116	209.596	ug/l	96
45) 1,2-Dichloropropane	9.618	63	87719	49.466	ug/l	99
46) Dibromomethane	9.706	93	62459	50.285	ug/l	98
47) Bromodichloromethane	9.888	83	136365	50.729	ug/l	99
48) Methyl methacrylate	9.682	41	100556	52.859	ug/l	97
49) 1,4-Dioxane	9.694	88	32776	1047.339	ug/l #	99
51) 4-Methyl-2-Pentanone	10.447	43	583632	267.396	ug/l	99
52) Toluene	10.629	92	221908	49.446	ug/l	97
53) t-1,3-Dichloropropene	10.835	75	127203	46.684	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	133379	46.601	ug/l	98
55) 1,1,2-Trichloroethane	11.012	97	82470	49.223	ug/l	98
56) Ethyl methacrylate	10.870	69	138847	53.864	ug/l	98
57) 1,3-Dichloropropane	11.159	76	145396	50.492	ug/l	99
59) 2-Hexanone	11.194	43	433853	268.713	ug/l	98
60) Dibromochloromethane	11.359	129	97167	51.821	ug/l	99
61) 1,2-Dibromoethane	11.470	107	83135	49.754	ug/l	99
64) Tetrachloroethene	11.100	164	82050	55.284	ug/l	96
65) Chlorobenzene	11.888	112	233674	47.111	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	85224	49.563	ug/l	98
67) Ethyl Benzene	11.964	91	434433	49.304	ug/l	99
68) m/p-Xylenes	12.070	106	316231	96.668	ug/l	99
69) o-Xylene	12.400	106	157102	49.608	ug/l	98
70) Styrene	12.412	104	261103	50.238	ug/l	98
71) Bromoform	12.576	173	62433	53.881	ug/l #	100
73) Isopropylbenzene	12.694	105	407118	47.143	ug/l	99
74) N-amyl acetate	12.494	43	161396	43.804	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	122971	48.464	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	104151m	46.242	ug/l	
77) Bromobenzene	12.976	156	94261	45.345	ug/l	99
78) n-propylbenzene	13.035	91	458685	45.650	ug/l	99
79) 2-Chlorotoluene	13.123	91	292733	45.682	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	332988	45.735	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	34925	40.612	ug/l	94
82) 4-Chlorotoluene	13.223	91	295144	45.897	ug/l	99
83) tert-Butylbenzene	13.435	119	296472	46.543	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	344183	47.061	ug/l	100
85) sec-Butylbenzene	13.617	105	395671	46.837	ug/l	99
86) p-Isopropyltoluene	13.729	119	329226	46.490	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	174496	44.479	ug/l	99
88) 1,4-Dichlorobenzene	13.811	146	175021	44.059	ug/l	99
89) n-Butylbenzene	14.053	91	274637	43.194	ug/l	100
90) Hexachloroethane	14.335	117	64018	44.971	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	175531	46.361	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	26160	51.720	ug/l	97
93) 1,2,4-Trichlorobenzene	15.388	180	88651	43.633	ug/l	98
94) Hexachlorobutadiene	15.500	225	34949	40.505	ug/l	99
95) Naphthalene	15.641	128	301790	48.824	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	86196	44.391	ug/l	98

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

