

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092424\
 Data File : VN084146.D
 Acq On : 24 Sep 2024 19:55
 Operator : JC\MD
 Sample : P4116-07MSD
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE122D1-20240916MSD

Quant Time: Sep 25 01:41:08 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

Manual Integrations APPROVED

Reviewed By :John Carlone 09/25/2024
 Supervised By :Mahesh Dadoda 09/25/2024

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	144607	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	255637	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	229669	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	112135	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	101720	46.651	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.300%		
35) Dibromofluoromethane	8.165	113	78644	48.055	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.100%		
50) Toluene-d8	10.565	98	273547	48.350	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.700%		
62) 4-Bromofluorobenzene	12.847	95	106448	45.603	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	91.200%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	69524	41.399	ug/l	98
3) Chloromethane	2.359	50	80066	46.560	ug/l	99
4) Vinyl Chloride	2.518	62	80656	43.817	ug/l	98
5) Bromomethane	2.948	94	50705	47.976	ug/l	99
6) Chloroethane	3.118	64	54039	41.851	ug/l	95
7) Trichlorofluoromethane	3.495	101	139741	44.723	ug/l	95
8) Diethyl Ether	3.959	74	50892	48.589	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.371	101	81415	49.159	ug/l	98
10) Methyl Iodide	4.595	142	97626	46.349	ug/l	98
11) Tert butyl alcohol	5.518	59	95532	327.181	ug/l	99
12) 1,1-Dichloroethene	4.342	96	75078	48.002	ug/l	91
13) Acrolein	4.177	56	88401	306.850	ug/l	97
14) Allyl chloride	5.024	41	123101	44.170	ug/l	97
15) Acrylonitrile	5.718	53	231528	291.576	ug/l	99
16) Acetone	4.424	43	195307	223.438	ug/l	99
17) Carbon Disulfide	4.712	76	176433	40.326	ug/l	99
18) Methyl Acetate	5.024	43	107612	59.438	ug/l	100
19) Methyl tert-butyl Ether	5.794	73	287050	50.717	ug/l	98
20) Methylene Chloride	5.271	84	88092	49.249	ug/l	93
21) trans-1,2-Dichloroethene	5.789	96	79150	47.220	ug/l	94
22) Diisopropyl ether	6.671	45	306613	53.444	ug/l	98
23) Vinyl Acetate	6.600	43	1013729	241.287	ug/l	97
24) 1,1-Dichloroethane	6.565	63	165620	50.108	ug/l	98
25) 2-Butanone	7.483	43	314849	274.053	ug/l	100
26) 2,2-Dichloropropane	7.488	77	122228	40.155	ug/l	97
27) cis-1,2-Dichloroethene	7.483	96	103417	51.973	ug/l	98
28) Bromochloromethane	7.812	49	69449	49.895	ug/l	95
29) Tetrahydrofuran	7.835	42	202830	298.581	ug/l	97
30) Chloroform	7.965	83	177171	50.490	ug/l	94
31) Cyclohexane	8.253	56	128882	40.897	ug/l	95
32) 1,1,1-Trichloroethane	8.165	97	155095	48.069	ug/l	98
36) 1,1-Dichloropropene	8.371	75	113065	45.901	ug/l	99
37) Ethyl Acetate	7.559	43	114799	51.344	ug/l	99
38) Carbon Tetrachloride	8.359	117	132518	47.420	ug/l	99
39) Methylcyclohexane	9.600	83	118882	42.401	ug/l	96
40) Benzene	8.606	78	364638	49.182	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	72410	54.755	ug/l	99
42) 1,2-Dichloroethane	8.671	62	134808	48.660	ug/l	99
43) Isopropyl Acetate	8.688	43	209168	51.624	ug/l	98
44) Trichloroethene	9.353	130	566031	329.681	ug/l	92
45) 1,2-Dichloropropane	9.618	63	92465	51.600	ug/l	97
46) Dibromomethane	9.706	93	63282	50.418	ug/l	99
47) Bromodichloromethane	9.888	83	142715	52.539	ug/l	99
48) Methyl methacrylate	9.682	41	105941	55.111	ug/l	97
49) 1,4-Dioxane	9.694	88	38466	1216.385	ug/l #	99
51) 4-Methyl-2-Pentanone	10.441	43	659258	298.905	ug/l	97
52) Toluene	10.629	92	226546	49.955	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	139908	50.814	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	142163	49.154	ug/l	96
55) 1,1,2-Trichloroethane	11.012	97	88087	52.029	ug/l	99
56) Ethyl methacrylate	10.871	69	144764	55.576	ug/l	97
57) 1,3-Dichloropropane	11.165	76	153664	52.809	ug/l	100
59) 2-Hexanone	11.194	43	479978	294.191	ug/l	99
60) Dibromochloromethane	11.359	129	103198	54.465	ug/l	100
61) 1,2-Dibromoethane	11.471	107	86824	51.421	ug/l	100
64) Tetrachloroethene	11.100	164	70250	45.995	ug/l	95
65) Chlorobenzene	11.888	112	242863	47.578	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	89301	50.464	ug/l	98
67) Ethyl Benzene	11.965	91	439748	48.496	ug/l	98
68) m/p-Xylenes	12.071	106	328692	97.635	ug/l	100
69) o-Xylene	12.394	106	159127	48.826	ug/l	100
70) Styrene	12.412	104	278905	52.145	ug/l	99
71) Bromoform	12.576	173	66641	55.885	ug/l #	98
73) Isopropylbenzene	12.694	105	413686	47.685	ug/l	99
74) N-amyl acetate	12.494	43	181485	49.031	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	127627	50.069	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	106490m	47.064	ug/l	
77) Bromobenzene	12.976	156	96541	46.230	ug/l	100
78) n-propylbenzene	13.035	91	493540	48.894	ug/l	99
79) 2-Chlorotoluene	13.123	91	303705	47.178	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	346231	47.336	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	42143	48.781	ug/l	98
82) 4-Chlorotoluene	13.217	91	308744	47.793	ug/l	99
83) tert-Butylbenzene	13.435	119	303056	47.358	ug/l	100
84) 1,2,4-Trimethylbenzene	13.482	105	357554	48.665	ug/l	99
85) sec-Butylbenzene	13.617	105	413674	48.744	ug/l	99
86) p-Isopropyltoluene	13.729	119	341184	47.958	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	183728	46.618	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	184874	46.327	ug/l	98
89) n-Butylbenzene	14.053	91	295565	46.273	ug/l	99
90) Hexachloroethane	14.335	117	67580	47.256	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	179257	47.129	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	26063	51.292	ug/l	98
93) 1,2,4-Trichlorobenzene	15.388	180	86115	42.191	ug/l	97
94) Hexachlorobutadiene	15.500	225	36357	41.944	ug/l	98
95) Naphthalene	15.641	128	293726	47.302	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	85588	43.877	ug/l	98

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

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