

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061724\
 Data File : VN082600.D
 Acq On : 17 Jun 2024 10:53
 Operator : JC\MD
 Sample : VSTDIC010
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/18/2024
 Supervised By : Mahesh Dadoda 06/18/2024

Quant Time: Jun 18 04:42:42 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061724W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 18 04:36:51 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	181266	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	304995	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	264523	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	116737	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	27704	9.531	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	19.060%#		
35) Dibromofluoromethane	8.171	113	18968	9.167	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	18.340%#		
50) Toluene-d8	10.571	98	70566	9.019	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	18.040%#		
62) 4-Bromofluorobenzene	12.847	95	23183	8.594	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery =	17.180%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	26260	10.373	ug/l	98
3) Chloromethane	2.365	50	29981	9.879	ug/l	99
4) Vinyl Chloride	2.512	62	29206	10.112	ug/l	97
5) Bromomethane	2.965	94	19540	10.510	ug/l	95
6) Chloroethane	3.118	64	20102	9.761	ug/l	97
7) Trichlorofluoromethane	3.500	101	38346	10.177	ug/l	91
8) Diethyl Ether	3.959	74	12619	9.834	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.377	101	20590	9.756	ug/l	97
10) Methyl Iodide	4.589	142	18349	9.127	ug/l	96
11) Tert butyl alcohol	5.530	59	24711	51.941	ug/l	98
12) 1,1-Dichloroethene	4.347	96	20363	10.090	ug/l	83
13) Acrolein	4.183	56	25337	52.281	ug/l	99
14) Allyl chloride	5.030	41	38722	9.810	ug/l	100
15) Acrylonitrile	5.730	53	61284	48.801	ug/l	98
16) Acetone	4.430	43	65183	49.306	ug/l	97
17) Carbon Disulfide	4.712	76	63195	9.860	ug/l	98
18) Methyl Acetate	5.030	43	32616	10.087	ug/l	98
19) Methyl tert-butyl Ether	5.794	73	69894	10.117	ug/l	99
20) Methylene Chloride	5.283	84	23033	9.844	ug/l	88
21) trans-1,2-Dichloroethene	5.789	96	21603	10.072	ug/l	91
22) Diisopropyl ether	6.677	45	83221	10.053	ug/l	97
23) Vinyl Acetate	6.606	43	324558	49.443	ug/l	99
24) 1,1-Dichloroethane	6.577	63	45123	10.063	ug/l	97
25) 2-Butanone	7.488	43	95049	50.583	ug/l	99
26) 2,2-Dichloropropane	7.488	77	39141	10.062	ug/l	98
27) cis-1,2-Dichloroethene	7.488	96	25459	9.851	ug/l	98
28) Bromochloromethane	7.806	49	18681	9.129	ug/l	98
29) Tetrahydrofuran	7.847	42	58615	50.956	ug/l	100
30) Chloroform	7.971	83	43304	9.900	ug/l	97
31) Cyclohexane	8.259	56	41480	9.888	ug/l	99
32) 1,1,1-Trichloroethane	8.171	97	38153	9.619	ug/l	98
36) 1,1-Dichloropropene	8.377	75	29904	9.668	ug/l	99
37) Ethyl Acetate	7.565	43	39794	10.100	ug/l	99
38) Carbon Tetrachloride	8.365	117	33178	9.518	ug/l	93
39) Methylcyclohexane	9.606	83	30617	9.406	ug/l	96
40) Benzene	8.606	78	93928	9.828	ug/l	98

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41) Methacrylonitrile	7.783	41	20116	9.988	ug/l	98
42) 1,2-Dichloroethane	8.677	62	35802	9.848	ug/l	100
43) Isopropyl Acetate	8.694	43	66646	9.144	ug/l	99
44) Trichloroethene	9.353	130	21538	9.705	ug/l	98
45) 1,2-Dichloropropane	9.624	63	23801	9.675	ug/l	100
46) Dibromomethane	9.712	93	16571	9.937	ug/l	97
47) Bromodichloromethane	9.888	83	34643	9.744	ug/l	95
48) Methyl methacrylate	9.682	41	29649	9.768	ug/l	99
49) 1,4-Dioxane	9.700	88	9069	191.012	ug/l #	88
51) 4-Methyl-2-Pentanone	10.447	43	188159	49.822	ug/l	100
52) Toluene	10.635	92	55393	9.564	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	34486	9.489	ug/l	98
54) cis-1,3-Dichloropropene	10.318	75	36547	9.724	ug/l	96
55) 1,1,2-Trichloroethane	11.018	97	20771	9.908	ug/l	96
56) Ethyl methacrylate	10.876	69	33226	9.570	ug/l	95
57) 1,3-Dichloropropane	11.165	76	37198	9.599	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.165	63	91638	49.893	ug/l	100
59) 2-Hexanone	11.200	43	138814	48.360	ug/l	97
60) Dibromochloromethane	11.365	129	24908	9.733	ug/l	99
61) 1,2-Dibromoethane	11.471	107	21324	9.648	ug/l	100
64) Tetrachloroethene	11.106	164	20851	9.560	ug/l	95
65) Chlorobenzene	11.894	112	61297	10.105	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.965	131	21431	9.908	ug/l	99
67) Ethyl Benzene	11.965	91	100779	9.750	ug/l	100
68) m/p-Xylenes	12.070	106	74982	19.500	ug/l	98
69) o-Xylene	12.400	106	34351	9.508	ug/l	97
70) Styrene	12.412	104	58569	9.552	ug/l	98
71) Bromoform	12.576	173	16437	9.612	ug/l #	97
73) Isopropylbenzene	12.694	105	90423	10.201	ug/l	100
74) N-amyl acetate	12.494	43	48125	10.173	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.941	83	29834	10.318	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	29583m	10.947	ug/l	
77) Bromobenzene	12.982	156	22554	9.885	ug/l	97
78) n-propylbenzene	13.035	91	106398	10.147	ug/l	98
79) 2-Chlorotoluene	13.129	91	66595	10.128	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	72755	10.114	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	12928	11.047	ug/l	94
82) 4-Chlorotoluene	13.223	91	66049	10.055	ug/l	99
83) tert-Butylbenzene	13.441	119	61319	10.007	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	72840	10.094	ug/l	99
85) sec-Butylbenzene	13.617	105	86366	9.924	ug/l	100
86) p-Isopropyltoluene	13.729	119	69175	9.871	ug/l	100
87) 1,3-Dichlorobenzene	13.735	146	41310	9.985	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	41855	10.068	ug/l	97
89) n-Butylbenzene	14.059	91	59765	9.614	ug/l	100
90) Hexachloroethane	14.335	117	15639	10.256	ug/l	96
91) 1,2-Dichlorobenzene	14.112	146	41068	10.167	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.717	75	6674	10.906	ug/l	98
93) 1,2,4-Trichlorobenzene	15.394	180	20881	9.803	ug/l	97
94) Hexachlorobutadiene	15.500	225	10050	9.569	ug/l	99
95) Naphthalene	15.641	128	64340	9.818	ug/l	98
96) 1,2,3-Trichlorobenzene	15.841	180	21191	9.762	ug/l	97

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

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