

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091724\
 Data File : VN083931.D
 Acq On : 17 Sep 2024 09:05
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/18/2024
 Supervised By : Mahesh Dadoda 09/18/2024

Quant Time: Sep 18 01:41:24 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	154520	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	270775	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	241733	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	118229	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	124282	53.341	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.680%			
35) Dibromofluoromethane	8.165	113	89953	51.892	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.780%			
50) Toluene-d8	10.565	98	326466	54.477	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 108.960%			
62) 4-Bromofluorobenzene	12.847	95	124991	50.554	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.100%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	81055	45.168	ug/l	100
3) Chloromethane	2.359	50	86271	46.966	ug/l	98
4) Vinyl Chloride	2.518	62	87997	44.738	ug/l	97
5) Bromomethane	2.948	94	56593	50.112	ug/l	100
6) Chloroethane	3.118	64	58888	42.680	ug/l	97
7) Trichlorofluoromethane	3.500	101	152073	45.547	ug/l	99
8) Diethyl Ether	3.959	74	51869	46.345	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.377	101	81674	46.152	ug/l	97
10) Methyl Iodide	4.589	142	105402	46.831	ug/l	94
11) Tert butyl alcohol	5.518	59	89559	287.047	ug/l	99
12) 1,1-Dichloroethene	4.342	96	77052	46.103	ug/l	95
13) Acrolein	4.177	56	66388	215.657	ug/l	95
14) Allyl chloride	5.024	41	133411	44.799	ug/l	92
15) Acrylonitrile	5.718	53	217012	255.762	ug/l	100
16) Acetone	4.424	43	250409	268.099	ug/l	100
17) Carbon Disulfide	4.712	76	198223	42.400	ug/l	98
18) Methyl Acetate	5.030	43	107402	55.389	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	298617	49.376	ug/l	99
20) Methylene Chloride	5.277	84	91410	47.825	ug/l	93
21) trans-1,2-Dichloroethene	5.789	96	82673	46.157	ug/l	93
22) Diisopropyl ether	6.671	45	307809	50.211	ug/l	98
23) Vinyl Acetate	6.600	43	1165101	259.525	ug/l	97
24) 1,1-Dichloroethane	6.565	63	170758	48.348	ug/l	98
25) 2-Butanone	7.483	43	320993	261.476	ug/l	97
26) 2,2-Dichloropropane	7.488	77	157676	48.478	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	102915	48.403	ug/l	97
28) Bromochloromethane	7.812	49	80367	54.034	ug/l	94
29) Tetrahydrofuran	7.835	42	191569	263.912	ug/l	98
30) Chloroform	7.965	83	182068	48.557	ug/l	97
31) Cyclohexane	8.253	56	139087	41.304	ug/l	96
32) 1,1,1-Trichloroethane	8.171	97	165402	47.974	ug/l	98
36) 1,1-Dichloropropene	8.371	75	118626	45.466	ug/l	99
37) Ethyl Acetate	7.559	43	126474	53.403	ug/l	97
38) Carbon Tetrachloride	8.359	117	139996	47.296	ug/l	99
39) Methylcyclohexane	9.600	83	130843	44.058	ug/l	97
40) Benzene	8.606	78	370051	47.122	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	72876	52.027	ug/l	99
42) 1,2-Dichloroethane	8.671	62	145019	49.420	ug/l	100
43) Isopropyl Acetate	8.688	43	225832	52.621	ug/l	99
44) Trichloroethene	9.353	130	88497	48.663	ug/l	100
45) 1,2-Dichloropropane	9.624	63	90843	47.861	ug/l	99
46) Dibromomethane	9.706	93	67508	50.778	ug/l	98
47) Bromodichloromethane	9.888	83	146848	51.038	ug/l	97
48) Methyl methacrylate	9.682	41	106020	52.069	ug/l	98
49) 1,4-Dioxane	9.694	88	34237	1022.127	ug/l #	99
51) 4-Methyl-2-Pentanone	10.441	43	639447	273.715	ug/l	98
52) Toluene	10.629	92	233822	48.677	ug/l	97
53) t-1,3-Dichloropropene	10.835	75	149544	51.277	ug/l	96
54) cis-1,3-Dichloropropene	10.312	75	155875	50.882	ug/l	96
55) 1,1,2-Trichloroethane	11.012	97	88695	49.459	ug/l	97
56) Ethyl methacrylate	10.871	69	150782	54.650	ug/l	96
57) 1,3-Dichloropropane	11.159	76	155356	50.406	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	365898	368.050	ug/l	96
59) 2-Hexanone	11.194	43	476585	275.781	ug/l	98
60) Dibromochloromethane	11.359	129	109815	54.717	ug/l	98
61) 1,2-Dibromoethane	11.470	107	89207	49.879	ug/l	99
64) Tetrachloroethene	11.100	164	75305	46.844	ug/l	96
65) Chlorobenzene	11.888	112	249168	46.377	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	91360	49.051	ug/l	100
67) Ethyl Benzene	11.965	91	461898	48.396	ug/l	100
68) m/p-Xylenes	12.070	106	337767	95.323	ug/l	98
69) o-Xylene	12.400	106	168633	49.161	ug/l	97
70) Styrene	12.412	104	287691	51.104	ug/l	100
71) Bromoform	12.576	173	69563	55.424	ug/l #	99
73) Isopropylbenzene	12.694	105	430657	47.082	ug/l	100
74) N-amyl acetate	12.494	43	201812	51.712	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	126789	47.177	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	108243m	45.373	ug/l	
77) Bromobenzene	12.976	156	100348	45.576	ug/l	99
78) n-propylbenzene	13.035	91	515320	48.421	ug/l	99
79) 2-Chlorotoluene	13.123	91	318748	46.962	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	366331	47.503	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	46835	51.418	ug/l	96
82) 4-Chlorotoluene	13.217	91	323394	47.480	ug/l	100
83) tert-Butylbenzene	13.435	119	315422	46.750	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	374942	48.401	ug/l	99
85) sec-Butylbenzene	13.612	105	431311	48.202	ug/l	99
86) p-Isopropyltoluene	13.729	119	366811	48.903	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	190493	45.843	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	187691	44.608	ug/l	99
89) n-Butylbenzene	14.053	91	320639	47.611	ug/l	100
90) Hexachloroethane	14.329	117	68607	45.502	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	183609	45.785	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	25853	48.256	ug/l	97
93) 1,2,4-Trichlorobenzene	15.388	180	95303	44.286	ug/l	99
94) Hexachlorobutadiene	15.500	225	40589	44.413	ug/l	98
95) Naphthalene	15.641	128	308909	47.182	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	88852	43.202	ug/l	98

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

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