

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101722\
 Data File : VN074916.D
 Acq On : 17 Oct 2022 14:39
 Operator : JC\MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/18/2022
 Supervised By : Mahesh Dadoda 10/18/2022

Quant Time: Oct 17 15:36:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101722W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 17 15:32:32 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.236	168	300858	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	542760	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	563534	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	267665	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	40473	5.191	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	10.380%#		
35) Dibromofluoromethane	8.177	113	29452	4.836	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	9.680%#		
50) Toluene-d8	10.571	98	119488	4.723	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	9.440%#		
62) 4-Bromofluorobenzene	12.853	95	33031	4.541	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	9.080%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.148	85	30094	5.485	ug/l	96
3) Chloromethane	2.389	50	49021	5.219	ug/l	89
4) Vinyl Chloride	2.536	62	71239	5.555	ug/l	95
5) Bromomethane	2.930	94	68914	7.478	ug/l	82
6) Chloroethane	3.112	64	53154	5.518	ug/l	96
7) Trichlorofluoromethane	3.506	101	49586	5.827	ug/l	89
8) Diethyl Ether	3.995	74	20483	5.428	ug/l	78
9) 1,1,2-Trichlorotrifluo...	4.377	101	28741	5.630	ug/l	90
10) Methyl Iodide	4.600	142	36090	5.175	ug/l	98
11) Tert butyl alcohol	5.565	59	46182	26.567	ug/l #	80
12) 1,1-Dichloroethene	4.359	96	28232	5.566	ug/l	98
13) Acrolein	4.206	56	46281	27.312	ug/l	100
14) Allyl chloride	5.036	41	53982m	5.735	ug/l	
15) Acrylonitrile	5.747	53	123363	27.203	ug/l	96
16) Acetone	4.459	43	96707	25.115	ug/l #	87
17) Carbon Disulfide	4.724	76	77000	5.920	ug/l #	89
18) Methyl Acetate	5.053	43	81379	5.153	ug/l #	80
19) Methyl tert-butyl Ether	5.824	73	108119	5.391	ug/l #	87
20) Methylene Chloride	5.295	84	42423	5.969	ug/l #	89
21) trans-1,2-Dichloroethene	5.795	96	31094	5.506	ug/l #	61
22) Diisopropyl ether	6.689	45	115177	5.149	ug/l	98
23) Vinyl Acetate	6.624	43	417923	26.559	ug/l #	94
24) 1,1-Dichloroethane	6.589	63	62180	5.280	ug/l #	94
25) 2-Butanone	7.506	43	168501	27.457	ug/l #	81
26) 2,2-Dichloropropane	7.489	77	53521	5.803	ug/l	98
27) cis-1,2-Dichloroethene	7.494	96	40409	5.698	ug/l	93
28) Bromochloromethane	7.824	49	23504	4.192	ug/l	90
29) Tetrahydrofuran	7.853	42	109228	26.493	ug/l	99
30) Chloroform	7.977	83	62557	5.415	ug/l	92
31) Cyclohexane	8.265	56	59558	5.678	ug/l #	83
32) 1,1,1-Trichloroethane	8.177	97	57732	5.771	ug/l #	84
36) 1,1-Dichloropropene	8.383	75	44892	5.601	ug/l	98
37) Ethyl Acetate	7.571	43	52618	4.397	ug/l #	90
38) Carbon Tetrachloride	8.371	117	41466	5.157	ug/l	98
39) Methylcyclohexane	9.606	83	55614	5.833	ug/l	89
40) Benzene	8.612	78	141321	5.253	ug/l #	86

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.789	41	33869	5.306	ug/l #	86
42) 1,2-Dichloroethane	8.677	62	48150	5.107	ug/l	98
43) Isopropyl Acetate	8.694	43	100374	5.161	ug/l	99
44) Trichloroethene	9.359	130	28739	4.918	ug/l	100
45) 1,2-Dichloropropane	9.630	63	41967	5.761	ug/l	93
46) Dibromomethane	9.712	93	25209	5.382	ug/l	96
47) Bromodichloromethane	9.894	83	45905	4.932	ug/l	93
48) Methyl methacrylate	9.606	41	47050	5.189	ug/l #	35
49) 1,4-Dioxane	9.700	88	16315	94.471	ug/l #	91
51) 4-Methyl-2-Pentanone	10.447	43	308036	24.440	ug/l	99
52) Toluene	10.635	92	87917	5.501	ug/l	98
53) t-1,3-Dichloropropene	10.841	75	49380	4.983	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	55130	5.187	ug/l #	93
55) 1,1,2-Trichloroethane	11.024	97	37540	5.398	ug/l	94
56) Ethyl methacrylate	10.877	69	55209	4.991	ug/l	98
57) 1,3-Dichloropropane	11.171	76	63315	5.156	ug/l	97
58) 2-Chloroethyl Vinyl ether	10.165	63	104129	21.305	ug/l	93
59) 2-Hexanone	11.200	43	238626	25.422	ug/l	98
60) Dibromochloromethane	11.365	129	33124	5.154	ug/l	95
61) 1,2-Dibromoethane	11.471	107	36004	5.454	ug/l	92
64) Tetrachloroethene	11.100	164	23574	5.664	ug/l	91
65) Chlorobenzene	11.894	112	93429	5.873	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	29470	5.248	ug/l	88
67) Ethyl Benzene	11.965	91	166699	5.680	ug/l	97
68) m/p-Xylenes	12.071	106	120150	11.056	ug/l	96
69) o-Xylene	12.406	106	61448	5.449	ug/l	99
70) Styrene	12.412	104	86768	4.877	ug/l	94
71) Bromoform	12.576	173	21971	5.264	ug/l #	92
73) Isopropylbenzene	12.700	105	144039	5.510	ug/l	96
74) N-amyl acetate	12.494	43	82856	5.676	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.941	83	58014	5.849	ug/l	93
76) 1,2,3-Trichloropropane	12.994	75	40348m	5.235	ug/l	
77) Bromobenzene	12.982	156	31892	5.908	ug/l	98
78) n-propylbenzene	13.035	91	162172	5.401	ug/l	99
79) 2-Chlorotoluene	13.123	91	106883	5.978	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	122320	5.881	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	17997	5.936	ug/l	90
82) 4-Chlorotoluene	13.223	91	93190	5.780	ug/l	97
83) tert-Butylbenzene	13.441	119	109251	5.807	ug/l	99
84) 1,2,4-Trimethylbenzene	13.488	105	112432	5.685	ug/l	97
85) sec-Butylbenzene	13.618	105	145615	5.634	ug/l	99
86) p-Isopropyltoluene	13.729	119	105779	5.256	ug/l	97
87) 1,3-Dichlorobenzene	13.735	146	51001	5.340	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	54607	5.729	ug/l	92
89) n-Butylbenzene	14.059	91	85970	5.226	ug/l	97
90) Hexachloroethane	14.335	117	24082	5.850	ug/l	95
91) 1,2-Dichlorobenzene	14.106	146	52739	5.607	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.723	75	8295	4.757	ug/l	91
93) 1,2,4-Trichlorobenzene	15.388	180	23415	5.331	ug/l	96
94) Hexachlorobutadiene	15.500	225	11958	5.606	ug/l	97
95) Naphthalene	15.641	128	100656	5.313	ug/l	98
96) 1,2,3-Trichlorobenzene	15.841	180	23681	5.095	ug/l	91

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

