

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102622\
 Data File : VN075024.D
 Acq On : 26 Oct 2022 14:58
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN102622

Quant Time: Oct 27 09:55:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 09:48:49 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 10/27/2022
 Supervised By : Mahesh Dadoda 10/31/2022

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	107819	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	199045	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	192466	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	103935	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	74811	51.497	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.000%			
35) Dibromofluoromethane	8.171	113	58598	50.148	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.300%			
50) Toluene-d8	10.570	98	244209	53.868	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.740%			
62) 4-Bromofluorobenzene	12.853	95	93027	58.415	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 116.840%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	62571	44.611	ug/l	96
3) Chloromethane	2.377	50	70488	47.313	ug/l	99
4) Vinyl Chloride	2.524	62	104656	49.242	ug/l	97
5) Bromomethane	2.918	94	89358	59.675	ug/l	100
6) Chloroethane	3.106	64	74892	49.141	ug/l	95
7) Trichlorofluoromethane	3.494	101	102729	47.316	ug/l	100
8) Diethyl Ether	3.971	74	38392	48.480	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.377	101	57331	47.815	ug/l	99
10) Methyl Iodide	4.594	142	85182	47.720	ug/l	98
11) Tert butyl alcohol	5.541	59	80040	236.257	ug/l	99
12) 1,1-Dichloroethene	4.353	96	53642	46.935	ug/l	91
13) Acrolein	4.194	56	66513	240.028	ug/l	100
14) Allyl chloride	5.036	41	83305	49.906	ug/l	100
15) Acrylonitrile	5.730	53	178336	249.193	ug/l	99
16) Acetone	4.441	43	173647	282.296	ug/l	97
17) Carbon Disulfide	4.718	76	136249	47.406	ug/l	99
18) Methyl Acetate	5.036	43	98633	49.089	ug/l	100
19) Methyl tert-butyl Ether	5.806	73	206252	48.554	ug/l	98
20) Methylene Chloride	5.283	84	64641	47.131	ug/l	93
21) trans-1,2-Dichloroethene	5.794	96	58862	47.038	ug/l	95
22) Diisopropyl ether	6.683	45	180947	49.121	ug/l	97
23) Vinyl Acetate	6.612	43	782074m	254.243	ug/l	
24) 1,1-Dichloroethane	6.577	63	114170	49.005	ug/l	99
25) 2-Butanone	7.488	43	250243	258.642	ug/l	97
26) 2,2-Dichloropropane	7.500	77	109037	50.874	ug/l	99
27) cis-1,2-Dichloroethene	7.500	96	74151	49.619	ug/l	99
28) Bromochloromethane	7.824	49	49867	50.776	ug/l	98
29) Tetrahydrofuran	7.847	42	158703	253.841	ug/l	100
30) Chloroform	7.971	83	125107	49.459	ug/l	96
31) Cyclohexane	8.259	56	101741	47.089	ug/l	99
32) 1,1,1-Trichloroethane	8.171	97	114481	49.838	ug/l	97
36) 1,1-Dichloropropene	8.377	75	93113	51.471	ug/l	100
37) Ethyl Acetate	7.571	43	97359	49.074	ug/l	99
38) Carbon Tetrachloride	8.371	117	101877	51.196	ug/l	97
39) Methylcyclohexane	9.606	83	126353	52.907	ug/l	95
40) Benzene	8.612	78	281619	50.843	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	48023	50.524	ug/l	99
42) 1,2-Dichloroethane	8.677	62	103279	51.250	ug/l	100
43) Isopropyl Acetate	8.694	43	158211	51.412	ug/l	100
44) Trichloroethene	9.353	130	68623	49.381	ug/l	100
45) 1,2-Dichloropropane	9.623	63	67791	51.428	ug/l	99
46) Dibromomethane	9.712	93	52027	50.661	ug/l	99
47) Bromodichloromethane	9.894	83	102211	51.394	ug/l	97
48) Methyl methacrylate	9.682	41	70788	50.147	ug/l	99
49) 1,4-Dioxane	9.700	88	38787	1049.291	ug/l	96
51) 4-Methyl-2-Pentanone	10.447	43	517062	260.377	ug/l	100
52) Toluene	10.635	92	196566	53.088	ug/l	97
53) t-1,3-Dichloropropene	10.841	75	114711	54.646	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	117883	52.947	ug/l	97
55) 1,1,2-Trichloroethane	11.018	97	73219	49.872	ug/l	95
56) Ethyl methacrylate	10.876	69	121214	54.127	ug/l	98
57) 1,3-Dichloropropane	11.165	76	127171	52.014	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	230060	265.730	ug/l	99
59) 2-Hexanone	11.200	43	409852	271.935	ug/l	99
60) Dibromochloromethane	11.365	129	83808	54.107	ug/l	99
61) 1,2-Dibromoethane	11.470	107	80188	53.297	ug/l	100
64) Tetrachloroethene	11.106	164	57747	48.939	ug/l	94
65) Chlorobenzene	11.894	112	206645	50.300	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.965	131	76300	50.066	ug/l	99
67) Ethyl Benzene	11.965	91	387617	52.442	ug/l	98
68) m/p-Xylenes	12.076	106	315926	106.525	ug/l	98
69) o-Xylene	12.400	106	154999	52.847	ug/l	99
70) Styrene	12.417	104	256380	54.822	ug/l	99
71) Bromoform	12.582	173	60155	52.721	ug/l #	98
73) Isopropylbenzene	12.700	105	406490	48.716	ug/l	99
74) N-amyl acetate	12.500	43	148820	48.223	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.941	83	128643	53.616	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	102976m	46.663	ug/l	
77) Bromobenzene	12.982	156	87328	47.532	ug/l	99
78) n-propylbenzene	13.041	91	477731	50.995	ug/l	100
79) 2-Chlorotoluene	13.129	91	283635	49.546	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	361652	51.603	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	43380	50.460	ug/l	99
82) 4-Chlorotoluene	13.129	91	283635	49.546	ug/l	99
83) tert-Butylbenzene	13.441	119	308565	49.550	ug/l	97
84) 1,2,4-Trimethylbenzene	13.488	105	370193	52.207	ug/l	100
85) sec-Butylbenzene	13.617	105	458866	52.673	ug/l	99
86) p-Isopropyltoluene	13.735	119	388679	54.023	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	183009	50.874	ug/l	98
88) 1,4-Dichlorobenzene	13.811	146	182981	51.397	ug/l	99
89) n-Butylbenzene	14.059	91	316901	54.698	ug/l	99
90) Hexachloroethane	14.335	117	68022	51.566	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	178740	49.980	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	27465	48.798	ug/l	97
93) 1,2,4-Trichlorobenzene	15.394	180	79077	51.385	ug/l	99
94) Hexachlorobutadiene	15.505	225	37358	49.796	ug/l	100
95) Naphthalene	15.641	128	300194	50.725	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	77066	50.401	ug/l	97

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

