

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112922\
 Data File : VN075487.D
 Acq On : 29 Nov 2022 19:37
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/30/2022
 Supervised By : Mahesh Dadoda 11/30/2022

Quant Time: Nov 30 02:31:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112122W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 23 00:18:03 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	151105	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	245183	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	225138	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	114857	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	36786	45.353	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	90.700%		
35) Dibromofluoromethane	8.171	113	46737	48.525	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.040%		
50) Toluene-d8	10.565	98	102225	47.123	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.240%		
62) 4-Bromofluorobenzene	12.847	95	76420	47.727	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.460%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	49684	43.000	ug/l	98
3) Chloromethane	2.371	50	58816	40.909	ug/l	98
4) Vinyl Chloride	2.524	62	80649	44.510	ug/l	95
5) Bromomethane	2.936	94	71863	45.101	ug/l	96
6) Chloroethane	3.112	64	63334	46.130	ug/l	98
7) Trichlorofluoromethane	3.501	101	119778	46.273	ug/l	99
8) Diethyl Ether	3.971	74	43006	47.403	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.383	101	67172	47.006	ug/l	92
10) Methyl Iodide	4.595	142	108883	47.023	ug/l	95
11) Tert butyl alcohol	5.536	59	70106	205.894	ug/l	99
12) 1,1-Dichloroethene	4.348	96	64850	46.344	ug/l	88
13) Acrolein	4.189	56	94364	318.124	ug/l	100
14) Allyl chloride	5.030	41	86667	47.882	ug/l	94
15) Acrylonitrile	5.730	53	186946	239.310	ug/l	98
16) Acetone	4.436	43	142416	188.240	ug/l	93
17) Carbon Disulfide	4.724	76	143749	39.529	ug/l	97
18) Methyl Acetate	5.036	43	98592	51.737	ug/l	94
19) Methyl tert-butyl Ether	5.806	73	231582	46.718	ug/l	100
20) Methylene Chloride	5.289	84	76781	50.048	ug/l	91
21) trans-1,2-Dichloroethene	5.794	96	69551	43.613	ug/l	98
22) Diisopropyl ether	6.683	45	194125	46.998	ug/l	98
23) Vinyl Acetate	6.612	43	789341m	240.209	ug/l	
24) 1,1-Dichloroethane	6.571	63	124393	46.919	ug/l	100
25) 2-Butanone	7.488	43	232153	219.787	ug/l	97
26) 2,2-Dichloropropane	7.500	77	108888	44.191	ug/l	97
27) cis-1,2-Dichloroethene	7.494	96	87903	48.748	ug/l	92
28) Bromochloromethane	7.818	49	55295	51.381	ug/l	82
29) Tetrahydrofuran	7.841	42	149210	232.237	ug/l	97
30) Chloroform	7.971	83	145011	47.629	ug/l	99
31) Cyclohexane	8.259	56	109011	42.301	ug/l	99
32) 1,1,1-Trichloroethane	8.171	97	131000	47.387	ug/l	96
36) 1,1-Dichloropropene	8.377	75	99278	47.266	ug/l	97
37) Ethyl Acetate	7.565	43	88413	46.748	ug/l	96
38) Carbon Tetrachloride	8.365	117	117712	51.016	ug/l	100
39) Methylcyclohexane	9.600	83	127828	48.626	ug/l	95
40) Benzene	8.612	78	310713	48.316	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	46328	47.913	ug/l	91
42) 1,2-Dichloroethane	8.677	62	102558	47.618	ug/l	95
43) Isopropyl Acetate	8.688	43	176577	58.166	ug/l	97
44) Trichloroethene	9.353	130	83895	47.677	ug/l	97
45) 1,2-Dichloropropane	9.624	63	74063	48.328	ug/l	98
46) Dibromomethane	9.712	93	57775	49.842	ug/l	91
47) Bromodichloromethane	9.888	83	111877	49.839	ug/l	98
48) Methyl methacrylate	9.682	41	69822	49.741	ug/l	96
49) 1,4-Dioxane	9.700	88	37425	938.930	ug/l	96
51) 4-Methyl-2-Pentanone	10.447	43	485508	251.099	ug/l	96
52) Toluene	10.629	92	209933	50.658	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	116753	51.808	ug/l	96
54) cis-1,3-Dichloropropene	10.318	75	125303	51.194	ug/l	94
55) 1,1,2-Trichloroethane	11.018	97	83803	49.650	ug/l	96
56) Ethyl methacrylate	10.877	69	122266	53.639	ug/l	96
57) 1,3-Dichloropropane	11.165	76	135676	49.298	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	219110	266.528	ug/l	95
59) 2-Hexanone	11.194	43	360458	248.267	ug/l	97
60) Dibromochloromethane	11.359	129	94144	54.340	ug/l	99
61) 1,2-Dibromoethane	11.471	107	87984	50.222	ug/l	100
64) Tetrachloroethene	11.106	164	74387	43.266	ug/l	93
65) Chlorobenzene	11.894	112	223341	48.036	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	86808	50.025	ug/l	99
67) Ethyl Benzene	11.965	91	404990	51.056	ug/l	100
68) m/p-Xylenes	12.071	106	327869	101.785	ug/l	100
69) o-Xylene	12.400	106	161306	50.400	ug/l	97
70) Styrene	12.412	104	262076	51.908	ug/l	98
71) Bromoform	12.582	173	71883	54.428	ug/l #	100
73) Isopropylbenzene	12.700	105	415777	49.548	ug/l	97
74) N-amyl acetate	12.494	43	133465	51.735	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.935	83	130297	50.930	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	108398m	49.915	ug/l	
77) Bromobenzene	12.982	156	101195	48.847	ug/l	85
78) n-propylbenzene	13.035	91	471369	50.334	ug/l	99
79) 2-Chlorotoluene	13.123	91	283129	50.178	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	359837	51.614	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	39110m	53.286	ug/l	
82) 4-Chlorotoluene	13.123	91	283129	50.178	ug/l	97
83) tert-Butylbenzene	13.441	119	320396	50.404	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	363570	51.990	ug/l	99
85) sec-Butylbenzene	13.618	105	446626	51.783	ug/l	99
86) p-Isopropyltoluene	13.729	119	381079	52.515	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	194151	49.463	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	189064	47.417	ug/l	98
89) n-Butylbenzene	14.059	91	304107	49.619	ug/l	98
90) Hexachloroethane	14.335	117	65578	52.385	ug/l	80
91) 1,2-Dichlorobenzene	14.106	146	191807	50.132	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	24508	50.571	ug/l	81
93) 1,2,4-Trichlorobenzene	15.394	180	95705	48.811	ug/l	98
94) Hexachlorobutadiene	15.506	225	50811	49.751	ug/l	99
95) Naphthalene	15.641	128	305396	49.510	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	93207	48.367	ug/l	96

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

