

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120922\
 Data File : VN075673.D
 Acq On : 09 Dec 2022 17:43
 Operator : JC\MD
 Sample : VN1209WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1209WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/12/2022
 Supervised By : Mahesh Dadoda 12/12/2022

Quant Time: Dec 12 03:10:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120922W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 12 03:01:58 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	210958	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	336411	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	303502	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	150442	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	122626	54.785	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.560%			
35) Dibromofluoromethane	8.171	113	111978	54.557	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.120%			
50) Toluene-d8	10.571	98	428289	55.564	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 111.120%			
62) 4-Bromofluorobenzene	12.853	95	146161	55.460	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 110.920%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	30727	19.804	ug/l	99
3) Chloromethane	2.371	50	34438	18.629	ug/l	96
4) Vinyl Chloride	2.524	62	45036	19.833	ug/l	100
5) Bromomethane	2.918	94	43207	22.341	ug/l	93
6) Chloroethane	3.101	64	32623	19.255	ug/l	99
7) Trichlorofluoromethane	3.495	101	65333	19.830	ug/l	94
8) Diethyl Ether	3.971	74	24052	19.969	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.377	101	38591	19.959	ug/l	99
10) Methyl Iodide	4.595	142	63780	20.186	ug/l	100
11) Tert butyl alcohol	5.547	59	35318	106.658	ug/l	99
12) 1,1-Dichloroethene	4.348	96	35968	19.902	ug/l	92
13) Acrolein	4.195	56	36348	95.309	ug/l	95
14) Allyl chloride	5.030	41	46568	20.692	ug/l	91
15) Acrylonitrile	5.736	53	87226	101.980	ug/l	99
16) Acetone	4.448	43	74782	98.654	ug/l	99
17) Carbon Disulfide	4.718	76	90853	18.999	ug/l	99
18) Methyl Acetate	5.036	43	47174	19.367	ug/l	98
19) Methyl tert-butyl Ether	5.806	73	125870	20.705	ug/l	98
20) Methylene Chloride	5.277	84	42976	19.018	ug/l	96
21) trans-1,2-Dichloroethene	5.795	96	40990	20.296	ug/l	89
22) Diisopropyl ether	6.683	45	108076	21.106	ug/l	98
23) Vinyl Acetate	6.612	43	402096m	102.979	ug/l	
24) 1,1-Dichloroethane	6.571	63	68987	20.467	ug/l	99
25) 2-Butanone	7.489	43	111621	100.730	ug/l	98
26) 2,2-Dichloropropane	7.500	77	58721	20.427	ug/l	98
27) cis-1,2-Dichloroethene	7.489	96	48312	19.704	ug/l	97
28) Bromochloromethane	7.812	49	27964	20.750	ug/l	100
29) Tetrahydrofuran	7.847	42	73002	106.883	ug/l	97
30) Chloroform	7.971	83	77009	20.627	ug/l	98
31) Cyclohexane	8.259	56	63137	19.051	ug/l	91
32) 1,1,1-Trichloroethane	8.171	97	70811	20.558	ug/l	96
36) 1,1-Dichloropropene	8.377	75	55220	20.261	ug/l	99
37) Ethyl Acetate	7.565	43	43904	20.064	ug/l	96
38) Carbon Tetrachloride	8.371	117	62183	19.772	ug/l	96
39) Methylcyclohexane	9.600	83	71796	20.775	ug/l	98
40) Benzene	8.612	78	170245	20.354	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.789	41	23423	20.876	ug/l	98
42) 1,2-Dichloroethane	8.677	62	57486	20.546	ug/l	99
43) Isopropyl Acetate	8.694	43	76097	20.831	ug/l	99
44) Trichloroethene	9.353	130	48184	20.420	ug/l	94
45) 1,2-Dichloropropane	9.624	63	41410	20.817	ug/l	98
46) Dibromomethane	9.712	93	31071	20.804	ug/l	99
47) Bromodichloromethane	9.894	83	59580	20.346	ug/l	96
48) Methyl methacrylate	9.688	41	35635	21.180	ug/l	98
49) 1,4-Dioxane	9.700	88	18048	441.289	ug/l	98
51) 4-Methyl-2-Pentanone	10.447	43	234142	103.945	ug/l	100
52) Toluene	10.635	92	114218	20.660	ug/l	98
53) t-1,3-Dichloropropene	10.841	75	58143	20.104	ug/l	98
54) cis-1,3-Dichloropropene	10.318	75	66198	20.574	ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	44749	20.587	ug/l	92
56) Ethyl methacrylate	10.877	69	62062	21.071	ug/l	99
57) 1,3-Dichloropropane	11.165	76	73320	20.869	ug/l	97
58) 2-Chloroethyl Vinyl ether	10.159	63	89727	103.178	ug/l	100
59) 2-Hexanone	11.194	43	172260	105.260	ug/l	99
60) Dibromochloromethane	11.359	129	49412	20.658	ug/l	100
61) 1,2-Dibromoethane	11.471	107	46246	20.307	ug/l	99
64) Tetrachloroethene	11.106	164	42420	19.188	ug/l	95
65) Chlorobenzene	11.894	112	124758	19.979	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	46850	20.621	ug/l	99
67) Ethyl Benzene	11.965	91	218065	20.642	ug/l	99
68) m/p-Xylenes	12.076	106	177588	41.604	ug/l	100
69) o-Xylene	12.400	106	87931	21.228	ug/l	99
70) Styrene	12.412	104	141619	21.317	ug/l	99
71) Bromoform	12.582	173	36086	20.954	ug/l #	98
73) Isopropylbenzene	12.700	105	226365	20.956	ug/l	100
74) N-amyl acetate	12.494	43	67524	21.514	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.941	83	65561	20.205	ug/l	97
76) 1,2,3-Trichloropropane	12.994	75	55551m	18.387	ug/l	
77) Bromobenzene	12.982	156	56176	20.680	ug/l	99
78) n-propylbenzene	13.041	91	252321	21.050	ug/l	99
79) 2-Chlorotoluene	13.123	91	151438	20.464	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	192726	21.340	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	16075	19.090	ug/l	94
82) 4-Chlorotoluene	13.123	91	151438	20.464	ug/l	99
83) tert-Butylbenzene	13.441	119	173280	21.158	ug/l	98
84) 1,2,4-Trimethylbenzene	13.488	105	193256	21.291	ug/l	100
85) sec-Butylbenzene	13.618	105	234339	20.814	ug/l	98
86) p-Isopropyltoluene	13.729	119	202977	21.546	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	107143	21.090	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	104246	20.174	ug/l	99
89) n-Butylbenzene	14.059	91	159376	21.108	ug/l	99
90) Hexachloroethane	14.335	117	33235	20.596	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	103125	20.400	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	11114	20.844	ug/l	97
93) 1,2,4-Trichlorobenzene	15.394	180	50919	20.980	ug/l	97
94) Hexachlorobutadiene	15.500	225	27957	20.302	ug/l	99
95) Naphthalene	15.647	128	152759	21.296	ug/l	98
96) 1,2,3-Trichlorobenzene	15.841	180	50150	21.029	ug/l	99

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

