

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081722\
 Data File : VN073968.D
 Acq On : 17 Aug 2022 11:43
 Operator : JC\MD
 Sample : VN0817WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0817WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/17/2022
 Supervised By : Mahesh Dadoda 08/18/2022

Quant Time: Aug 17 15:30:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081522W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 16 00:45:21 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	616622	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	894721	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	804302	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	404272	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	312255	51.992	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 103.980%	
35) Dibromofluoromethane	7.951	113	274839	51.942	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.880%	
50) Toluene-d8	10.381	98	1048276	51.154	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.300%	
62) 4-Bromofluorobenzene	12.669	95	358215	52.670	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 105.340%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.046	85	98030	20.050	ug/l	94
3) Chloromethane	2.269	50	106176	19.528	ug/l	98
4) Vinyl Chloride	2.405	62	130547	18.703	ug/l	94
5) Bromomethane	2.810	94	77400	17.758	ug/l	97
6) Chloroethane	2.969	64	90593	18.372	ug/l	94
7) Trichlorofluoromethane	3.322	101	173538	19.274	ug/l	97
8) Diethyl Ether	3.769	74	65258	19.524	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.146	101	101322	19.371	ug/l	93
10) Methyl Iodide	4.351	142	80628	12.840	ug/l	99
11) Tert butyl alcohol	5.287	59	131935	98.208	ug/l	99
12) 1,1-Dichloroethene	4.110	96	92765	19.062	ug/l	90
13) Acrolein	3.981	56	99331	105.633	ug/l	97
14) Allyl chloride	4.763	41	140812	19.537	ug/l	99
15) Acrylonitrile	5.475	53	336010	102.447	ug/l	99
16) Acetone	4.222	43	275445	97.210	ug/l	96
17) Carbon Disulfide	4.463	76	209004	18.062	ug/l	100
18) Methyl Acetate	4.775	43	158829	20.950	ug/l	99
19) Methyl tert-butyl Ether	5.528	73	339369	19.362	ug/l	95
20) Methylene Chloride	5.016	84	109941	18.388	ug/l	96
21) trans-1,2-Dichloroethene	5.510	96	99382	18.536	ug/l	94
22) Diisopropyl ether	6.410	45	306040	20.027	ug/l	98
23) Vinyl Acetate	6.351	43	1328776	101.467	ug/l	96
24) 1,1-Dichloroethane	6.304	63	183315	19.272	ug/l	96
25) 2-Butanone	7.257	43	463258	103.111	ug/l	97
26) 2,2-Dichloropropane	7.251	77	163010	18.240	ug/l	99
27) cis-1,2-Dichloroethene	7.245	96	125633	18.992	ug/l	93
28) Bromochloromethane	7.581	49	67302	19.184	ug/l	89
29) Tetrahydrofuran	7.610	42	303792	105.409	ug/l	98
30) Chloroform	7.745	83	204639	19.239	ug/l	98
31) Cyclohexane	8.022	56	164080	19.598	ug/l	95
32) 1,1,1-Trichloroethane	7.939	97	181310	19.222	ug/l	97
36) 1,1-Dichloropropene	8.151	75	139780	19.019	ug/l	98
37) Ethyl Acetate	7.340	43	176496	19.823	ug/l	99
38) Carbon Tetrachloride	8.134	117	155373	18.496	ug/l	93
39) Methylcyclohexane	9.392	83	179147	19.454	ug/l	96
40) Benzene	8.392	78	444047	19.143	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.563	41	86086	21.395	ug/l	94
42) 1,2-Dichloroethane	8.463	62	154254	19.340	ug/l	98
43) Isopropyl Acetate	8.492	43	252306	19.891	ug/l	97
44) Trichloroethene	9.151	130	123983	18.506	ug/l	97
45) 1,2-Dichloropropane	9.428	63	110732	19.917	ug/l	99
46) Dibromomethane	9.516	93	81015	19.166	ug/l	93
47) Bromodichloromethane	9.698	83	157011	19.434	ug/l	99
48) Methyl methacrylate	9.498	41	110060	20.279	ug/l	88
49) 1,4-Dioxane	9.498	88	62529	387.420	ug/l	94
51) 4-Methyl-2-Pentanone	10.269	43	894412	104.295	ug/l	100
52) Toluene	10.445	92	293882	18.476	ug/l	99
53) t-1,3-Dichloropropene	10.657	75	161160	19.009	ug/l	97
54) cis-1,3-Dichloropropene	10.128	75	178671	19.262	ug/l	98
55) 1,1,2-Trichloroethane	10.839	97	119207	19.266	ug/l	99
56) Ethyl methacrylate	10.698	69	181247	20.539	ug/l	96
57) 1,3-Dichloropropane	10.986	76	196694	19.552	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.981	63	433990	105.373	ug/l	96
59) 2-Hexanone	11.022	43	690665	104.647	ug/l	100
60) Dibromochloromethane	11.180	129	132559	19.374	ug/l	99
61) 1,2-Dibromoethane	11.286	107	124446	18.805	ug/l	97
64) Tetrachloroethene	10.916	164	114095	17.973	ug/l	97
65) Chlorobenzene	11.710	112	319826	18.710	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.780	131	124188	19.186	ug/l	99
67) Ethyl Benzene	11.786	91	541784	19.059	ug/l	96
68) m/p-Xylenes	11.892	106	436996	37.835	ug/l	98
69) o-Xylene	12.222	106	217481	18.777	ug/l	97
70) Styrene	12.233	104	345260	19.040	ug/l	98
71) Bromoform	12.398	173	105381	18.235	ug/l #	100
73) Isopropylbenzene	12.522	105	557325	18.932	ug/l	99
74) N-amyl acetate	12.327	43	204318	18.360	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.769	83	191166	19.352	ug/l	99
76) 1,2,3-Trichloropropane	12.822	75	162852m	19.381	ug/l	
77) Bromobenzene	12.798	156	145955	18.317	ug/l	92
78) n-propylbenzene	12.863	91	617428	19.676	ug/l	99
79) 2-Chlorotoluene	12.945	91	378465	19.354	ug/l	97
80) 1,3,5-Trimethylbenzene	12.998	105	468708	19.575	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.563	75	54716	18.520	ug/l	99
82) 4-Chlorotoluene	13.045	91	361701	19.475	ug/l	96
83) tert-Butylbenzene	13.263	119	423499	19.220	ug/l	98
84) 1,2,4-Trimethylbenzene	13.310	105	469786	19.647	ug/l	100
85) sec-Butylbenzene	13.439	105	577450	20.218	ug/l	98
86) p-Isopropyltoluene	13.557	119	485058	19.935	ug/l	98
87) 1,3-Dichlorobenzene	13.557	146	260075	18.821	ug/l	98
88) 1,4-Dichlorobenzene	13.633	146	257174	18.364	ug/l	99
89) n-Butylbenzene	13.880	91	366723	19.028	ug/l	99
90) Hexachloroethane	14.151	117	84125	18.915	ug/l	90
91) 1,2-Dichlorobenzene	13.927	146	265884	18.633	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.539	75	43259	18.547	ug/l	88
93) 1,2,4-Trichlorobenzene	15.198	180	163455	18.821	ug/l	99
94) Hexachlorobutadiene	15.298	225	86238	18.837	ug/l	99
95) Naphthalene	15.433	128	530740	18.745	ug/l	100
96) 1,2,3-Trichlorobenzene	15.627	180	167793	18.692	ug/l	98

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

