

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042822\
 Data File : VN072236.D
 Acq On : 28 Apr 2022 14:29
 Operator : JC\MD
 Sample : VN0428WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0428WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/29/2022
 Supervised By : Mahesh Dadoda 04/29/2022

Quant Time: Apr 28 14:53:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042622W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 26 18:50:11 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.080	168	226133	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.963	114	369722	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	337206	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	134515	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	184304	53.088	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 106.180%	
35) Dibromofluoromethane	8.016	113	125626	53.087	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 106.180%	
50) Toluene-d8	10.439	98	485463	52.208	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 104.420%	
62) 4-Bromofluorobenzene	12.727	95	164454	53.283	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 106.560%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.069	85	48482	19.023	ug/l	94
3) Chloromethane	2.298	50	51696	17.653	ug/l	99
4) Vinyl Chloride	2.440	62	42455	16.678	ug/l	99
5) Bromomethane	2.845	94	27326	21.131	ug/l	92
6) Chloroethane	3.010	64	27156	17.806	ug/l	97
7) Trichlorofluoromethane	3.375	101	84605	19.024	ug/l	94
8) Diethyl Ether	3.822	74	31821	19.760	ug/l	86
9) 1,1,2-Trichlorotrifluo...	4.210	101	44157	18.902	ug/l	95
10) Methyl Iodide	4.422	142	53365	18.819	ug/l	# 86
11) Tert butyl alcohol	5.357	59	60264	105.631	ug/l	96
12) 1,1-Dichloroethene	4.187	96	38763	17.948	ug/l	91
13) Acrolein	4.040	56	46816	81.541	ug/l	98
14) Allyl chloride	4.840	41	79432	17.713	ug/l	96
15) Acrylonitrile	5.551	53	164118	95.328	ug/l	98
16) Acetone	4.281	43	144516	96.552	ug/l	89
17) Carbon Disulfide	4.528	76	88246	17.603	ug/l	98
18) Methyl Acetate	4.851	43	81539	19.463	ug/l	92
19) Methyl tert-butyl Ether	5.610	73	176733	20.876	ug/l	100
20) Methylene Chloride	5.092	84	51579	17.978	ug/l	# 86
21) trans-1,2-Dichloroethene	5.604	96	41731	17.523	ug/l	94
22) Diisopropyl ether	6.492	45	178636	19.340	ug/l	96
23) Vinyl Acetate	6.428	43	758407	97.765	ug/l	96
24) 1,1-Dichloroethane	6.381	63	97499	18.871	ug/l	99
25) 2-Butanone	7.328	43	217543	91.262	ug/l	93
26) 2,2-Dichloropropane	7.322	77	81872	20.286	ug/l	96
27) cis-1,2-Dichloroethene	7.322	96	54599	18.805	ug/l	90
28) Bromochloromethane	7.651	49	45824	19.807	ug/l	84
29) Tetrahydrofuran	7.680	42	144564	92.411	ug/l	92
30) Chloroform	7.816	83	102800	19.817	ug/l	99
31) Cyclohexane	8.092	56	83166	17.929	ug/l	92
32) 1,1,1-Trichloroethane	8.010	97	89553	20.286	ug/l	99
36) 1,1-Dichloropropene	8.222	75	67116	19.485	ug/l	94
37) Ethyl Acetate	7.404	43	89584	19.584	ug/l	98
38) Carbon Tetrachloride	8.204	117	76198	20.655	ug/l	93
39) Methylcyclohexane	9.457	83	73801	19.157	ug/l	94
40) Benzene	8.457	78	207220	19.395	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.628	41	47073	20.342	ug/l #	88
42) 1,2-Dichloroethane	8.522	62	90582	22.145	ug/l	97
43) Isopropyl Acetate	8.557	43	137600	19.653	ug/l	95
44) Trichloroethene	9.210	130	47269	19.019	ug/l	92
45) 1,2-Dichloropropane	9.480	63	55958	19.383	ug/l	95
46) Dibromomethane	9.574	93	38329	21.193	ug/l	89
47) Bromodichloromethane	9.757	83	82160	21.651	ug/l	95
48) Methyl methacrylate	9.557	41	64761	21.433	ug/l	92
49) 1,4-Dioxane	9.563	88	22432	422.622	ug/l #	86
51) 4-Methyl-2-Pentanone	10.327	43	441673	102.333	ug/l	95
52) Toluene	10.498	92	131380	20.569	ug/l	98
53) t-1,3-Dichloropropene	10.716	75	80845	21.193	ug/l	99
54) cis-1,3-Dichloropropene	10.186	75	88093	21.354	ug/l	92
55) 1,1,2-Trichloroethane	10.892	97	56864	21.233	ug/l	96
56) Ethyl methacrylate	10.757	69	86302	19.895	ug/l	89
57) 1,3-Dichloropropane	11.039	76	96062	20.441	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.033	63	100309	91.588	ug/l	96
59) 2-Hexanone	11.080	43	309761	101.865	ug/l	95
60) Dibromochloromethane	11.233	129	57322	20.932	ug/l	98
61) 1,2-Dibromoethane	11.339	107	54957	20.866	ug/l	99
64) Tetrachloroethene	10.974	164	40483	19.944	ug/l	87
65) Chlorobenzene	11.768	112	134454	19.734	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.839	131	54654	21.289	ug/l	96
67) Ethyl Benzene	11.839	91	244512	20.578	ug/l	97
68) m/p-Xylenes	11.951	106	183434	41.574	ug/l	91
69) o-Xylene	12.274	106	89616	20.951	ug/l	88
70) Styrene	12.292	104	143511	21.300	ug/l	95
71) Bromoform	12.451	173	41359	21.661	ug/l #	95
73) Isopropylbenzene	12.574	105	236788	19.931	ug/l	96
74) N-amyl acetate	12.386	43	84752	19.041	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.821	83	84767	20.542	ug/l	99
76) 1,2,3-Trichloropropane	12.874	75	67113m	21.984	ug/l	
77) Bromobenzene	12.857	156	53300	18.971	ug/l	83
78) n-propylbenzene	12.915	91	260658	19.916	ug/l	95
79) 2-Chlorotoluene	13.004	91	167507	19.485	ug/l	95
80) 1,3,5-Trimethylbenzene	13.057	105	200581	20.273	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.621	75	21693	18.647	ug/l	89
82) 4-Chlorotoluene	13.098	91	155601	19.444	ug/l	95
83) tert-Butylbenzene	13.321	119	170112	19.582	ug/l	93
84) 1,2,4-Trimethylbenzene	13.362	105	194178	20.284	ug/l	93
85) sec-Butylbenzene	13.498	105	225548	19.915	ug/l	97
86) p-Isopropyltoluene	13.615	119	181294	20.532	ug/l	95
87) 1,3-Dichlorobenzene	13.610	146	88823	19.534	ug/l	96
88) 1,4-Dichlorobenzene	13.692	146	86726	19.612	ug/l	93
89) n-Butylbenzene	13.939	91	131553	19.451	ug/l	96
90) Hexachloroethane	14.204	117	34035	17.757	ug/l	92
91) 1,2-Dichlorobenzene	13.986	146	89942	20.068	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.598	75	15695	19.101	ug/l	82
93) 1,2,4-Trichlorobenzene	15.262	180	36302	19.093	ug/l	96
94) Hexachlorobutadiene	15.362	225	23864	19.871	ug/l	99
95) Naphthalene	15.504	128	103123	17.828	ug/l	99
96) 1,2,3-Trichlorobenzene	15.698	180	35859	19.111	ug/l	97

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

