

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092922\
 Data File : VN074658.D
 Acq On : 29 Sep 2022 17:20
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092922

Quant Time: Sep 30 07:50:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092922W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 30 07:44:59 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 09/30/2022
 Supervised By : Mahesh Dadoda 10/05/2022

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

Internal Standards						
1) Pentafluorobenzene	7.934	168	423490	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.828	114	747125	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.616	117	817189	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.551	152	542419	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.286	65	496305	46.761	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.520%		
35) Dibromofluoromethane	7.869	113	376956	47.668	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.340%		
50) Toluene-d8	10.310	98	1611667	48.452	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.900%		
62) 4-Bromofluorobenzene	12.604	95	531834	50.423	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.840%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.999	85	463309	52.258	ug/l	98
3) Chloromethane	2.216	50	627063	48.348	ug/l	94
4) Vinyl Chloride	2.357	62	875143	46.467	ug/l	94
5) Bromomethane	2.740	94	627841	48.259	ug/l	93
6) Chloroethane	2.899	64	664966	45.946	ug/l	98
7) Trichlorofluoromethane	3.240	101	609934	46.578	ug/l	98
8) Diethyl Ether	3.681	74	282224	51.960	ug/l	84
9) 1,1,2-Trichlorotrifluo...	4.051	101	375860	48.166	ug/l	86
10) Methyl Iodide	4.251	142	429383	46.307	ug/l	94
11) Tert butyl alcohol	5.163	59	639619	225.655	ug/l	98
12) 1,1-Dichloroethene	4.022	96	359665	45.473	ug/l	94
13) Acrolein	3.893	56	232310	200.311	ug/l	98
14) Allyl chloride	4.651	41	813456	47.613	ug/l	96
15) Acrylonitrile	5.357	53	1635834	244.578	ug/l	99
16) Acetone	4.116	43	1504940	298.159	ug/l	96
17) Carbon Disulfide	4.363	76	1093011	47.352	ug/l	100
18) Methyl Acetate	4.663	43	901759	45.986	ug/l	91
19) Methyl tert-butyl Ether	5.416	73	1457535	48.283	ug/l	92
20) Methylene Chloride	4.898	84	456663	50.488	ug/l #	87
21) trans-1,2-Dichloroethene	5.404	96	396247	45.859	ug/l	93
22) Diisopropyl ether	6.298	45	1699925	48.911	ug/l #	92
23) Vinyl Acetate	6.239	43	7540881	246.860	ug/l #	93
24) 1,1-Dichloroethane	6.192	63	854648	48.189	ug/l	99
25) 2-Butanone	7.157	43	2357359	241.303	ug/l	91
26) 2,2-Dichloropropane	7.151	77	721036	47.806	ug/l	96
27) cis-1,2-Dichloroethene	7.151	96	471121	44.577	ug/l	91
28) Bromochloromethane	7.492	49	428688	53.070	ug/l #	69
29) Tetrahydrofuran	7.516	42	1566228	242.981	ug/l	87
30) Chloroform	7.657	83	809800	49.546	ug/l	98
31) Cyclohexane	7.934	56	817057	47.384	ug/l	92
32) 1,1,1-Trichloroethane	7.851	97	690111	48.114	ug/l	98
36) 1,1-Dichloropropene	8.063	75	625324	49.376	ug/l	97
37) Ethyl Acetate	7.239	43	946898	50.603	ug/l #	94
38) Carbon Tetrachloride	8.045	117	594530	51.242	ug/l	94
39) Methylcyclohexane	9.322	83	831526	52.592	ug/l	98
40) Benzene	8.310	78	1952446	50.018	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.469	41	466077m	56.862	ug/l	
42) 1,2-Dichloroethane	8.381	62	651560	49.686	ug/l	98
43) Isopropyl Acetate	8.416	43	1496185	49.934	ug/l #	92
44) Trichloroethene	9.075	130	416225	51.181	ug/l	95
45) 1,2-Dichloropropane	9.351	63	522681	49.186	ug/l	99
46) Dibromomethane	9.439	93	322897	48.208	ug/l #	83
47) Bromodichloromethane	9.627	83	652140	49.817	ug/l	98
48) Methyl methacrylate	9.428	41	654157	52.979	ug/l	90
49) 1,4-Dioxane	9.428	88	238180	1011.278	ug/l #	93
51) 4-Methyl-2-Pentanone	10.204	43	4822739	254.364	ug/l	90
52) Toluene	10.375	92	1221321	51.818	ug/l	100
53) t-1,3-Dichloropropene	10.592	75	804445	54.212	ug/l	99
54) cis-1,3-Dichloropropene	10.057	75	827285	50.602	ug/l	95
55) 1,1,2-Trichloroethane	10.769	97	463258	48.771	ug/l	96
56) Ethyl methacrylate	10.639	69	869505	53.066	ug/l #	83
57) 1,3-Dichloropropane	10.922	76	858775	51.085	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.910	63	1530252	228.751	ug/l #	89
59) 2-Hexanone	10.963	43	3751342	261.804	ug/l	89
60) Dibromochloromethane	11.116	129	492533	53.898	ug/l	100
61) 1,2-Dibromoethane	11.216	107	489502	52.590	ug/l	98
64) Tetrachloroethene	10.845	164	337450	48.844	ug/l	93
65) Chlorobenzene	11.645	112	1224070	50.062	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.716	131	444294	50.931	ug/l	99
67) Ethyl Benzene	11.716	91	2366265	51.723	ug/l	97
68) m/p-Xylenes	11.827	106	1831947	105.748	ug/l	95
69) o-Xylene	12.157	106	893878	51.332	ug/l	97
70) Styrene	12.169	104	1489813	53.644	ug/l	98
71) Bromoform	12.333	173	367049	52.475	ug/l	97
73) Isopropylbenzene	12.457	105	2360712	46.460	ug/l	99
74) N-amyl acetate	12.269	43	1385920	52.138	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.704	83	826813	51.058	ug/l	97
76) 1,2,3-Trichloropropane	12.757	75	601244m	49.657	ug/l	
77) Bromobenzene	12.733	156	476643	50.965	ug/l	80
78) n-propylbenzene	12.798	91	2852843	48.675	ug/l	97
79) 2-Chlorotoluene	12.880	91	1602210	45.491	ug/l	98
80) 1,3,5-Trimethylbenzene	12.933	105	2024242	49.924	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.504	75	307598	47.390	ug/l	99
82) 4-Chlorotoluene	12.980	91	1632432	49.804	ug/l	99
83) tert-Butylbenzene	13.198	119	1710240	47.228	ug/l	96
84) 1,2,4-Trimethylbenzene	13.245	105	2026074	50.036	ug/l	97
85) sec-Butylbenzene	13.374	105	2575094	50.603	ug/l	96
86) p-Isopropyltoluene	13.492	119	2095264	51.972	ug/l	98
87) 1,3-Dichlorobenzene	13.486	146	976014	49.415	ug/l	99
88) 1,4-Dichlorobenzene	13.568	146	995064	49.293	ug/l	98
89) n-Butylbenzene	13.815	91	1889801	53.132	ug/l	96
90) Hexachloroethane	14.086	117	395712	45.615	ug/l	77
91) 1,2-Dichlorobenzene	13.863	146	984547	47.767	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.474	75	177652	45.606	ug/l	88
93) 1,2,4-Trichlorobenzene	15.127	180	496876	53.960	ug/l	98
94) Hexachlorobutadiene	15.233	225	211217	55.061	ug/l	96
95) Naphthalene	15.362	128	1890635	52.476	ug/l	99
96) 1,2,3-Trichlorobenzene	15.557	180	472042	51.494	ug/l	98

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

