

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091222\
 Data File : VN074408.D
 Acq On : 12 Sep 2022 12:47
 Operator : JC\MD
 Sample : MDL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/14/2022
 Supervised By : Mahesh Dadoda 09/14/2022

Quant Time: Sep 13 09:18:40 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 13 09:10:07 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	243796	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	447033	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	386888	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	158056	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	216963	51.437	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.880%			
35) Dibromofluoromethane	7.951	113	161884	53.641	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.280%			
50) Toluene-d8	10.381	98	578017	49.155	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.300%			
62) 4-Bromofluorobenzene	12.675	95	185798	43.519	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 87.040%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.046	85	8734	2.764	ug/l	98
3) Chloromethane	2.269	50	13703	3.073	ug/l	93
4) Vinyl Chloride	2.405	62	17111	3.242	ug/l	96
5) Bromomethane	2.787	94	13881	3.763	ug/l	89
6) Chloroethane	2.952	64	14562	3.727	ug/l #	85
7) Trichlorofluoromethane	3.310	101	14848	2.849	ug/l #	75
8) Diethyl Ether	3.769	74	7380	3.356	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.134	101	8716	2.791	ug/l #	85
10) Methyl Iodide	4.352	142	9690	2.684	ug/l	96
11) Tert butyl alcohol	5.287	59	14383	13.037	ug/l #	89
12) 1,1-Dichloroethene	4.104	96	8919	2.935	ug/l	85
13) Acrolein	3.975	56	10604	14.469	ug/l	95
14) Allyl chloride	4.757	41	19485	2.923	ug/l #	93
15) Acrylonitrile	5.475	53	35342	14.002	ug/l	98
16) Acetone	4.234	43	35325	15.512	ug/l	97
17) Carbon Disulfide	4.452	76	22681	2.746	ug/l #	87
18) Methyl Acetate	4.781	43	21523	3.206	ug/l	94
19) Methyl tert-butyl Ether	5.534	73	33673	2.753	ug/l	92
20) Methylene Chloride	5.016	84	11286	2.870	ug/l #	88
21) trans-1,2-Dichloroethene	5.510	96	9623	2.826	ug/l #	54
22) Diisopropyl ether	6.410	45	32949	2.455	ug/l #	94
23) Vinyl Acetate	6.351	43	149645	12.493	ug/l #	89
24) 1,1-Dichloroethane	6.298	63	19050	2.762	ug/l #	94
25) 2-Butanone	7.263	43	54958	14.377	ug/l #	85
26) 2,2-Dichloropropane	7.245	77	15512	2.486	ug/l	87
27) cis-1,2-Dichloroethene	7.245	96	11354	2.706	ug/l	91
28) Bromochloromethane	7.569	49	9241	3.767	ug/l #	99
29) Tetrahydrofuran	7.610	42	34653	13.714	ug/l #	79
30) Chloroform	7.751	83	17857	2.594	ug/l	95
31) Cyclohexane	8.022	56	23532	3.508	ug/l #	81
32) 1,1,1-Trichloroethane	7.940	97	15671	2.537	ug/l	95
36) 1,1-Dichloropropene	8.145	75	12513	2.517	ug/l	81
37) Ethyl Acetate	7.345	43	19205	2.663	ug/l #	95
38) Carbon Tetrachloride	8.128	117	13852	2.699	ug/l	95
39) Methylcyclohexane	9.398	83	13909	2.207	ug/l	90
40) Benzene	8.387	78	41484	2.725	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.569	41	10178	2.844	ug/l #	88
42) 1,2-Dichloroethane	8.457	62	15714	2.700	ug/l	94
43) Isopropyl Acetate	8.492	43	28330	2.402	ug/l	97
44) Trichloroethene	9.145	130	9911	2.904	ug/l	94
45) 1,2-Dichloropropane	9.428	63	11887	2.942	ug/l	92
46) Dibromomethane	9.510	93	8047	2.908	ug/l	92
47) Bromodichloromethane	9.710	83	14320	2.597	ug/l	98
48) Methyl methacrylate	9.498	41	14021	2.697	ug/l	87
49) 1,4-Dioxane	9.510	88	5927	54.107	ug/l #	74
51) 4-Methyl-2-Pentanone	10.269	43	97782	12.677	ug/l	100
52) Toluene	10.445	92	23118	2.456	ug/l	91
53) t-1,3-Dichloropropene	10.657	75	14269	2.345	ug/l	93
54) cis-1,3-Dichloropropene	10.128	75	15257	2.352	ug/l #	78
55) 1,1,2-Trichloroethane	10.839	97	10567	2.723	ug/l #	92
56) Ethyl methacrylate	10.698	69	15475	2.347	ug/l #	86
57) 1,3-Dichloropropane	10.986	76	17685	2.607	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.981	63	37000	12.063	ug/l	97
59) 2-Hexanone	11.028	43	74141	12.456	ug/l	99
60) Dibromochloromethane	11.180	129	9418	2.397	ug/l	100
61) 1,2-Dibromoethane	11.286	107	10600	2.655	ug/l	99
64) Tetrachloroethene	10.916	164	6520	2.486	ug/l	85
65) Chlorobenzene	11.710	112	24177	2.592	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.786	131	9436	2.589	ug/l	98
67) Ethyl Benzene	11.786	91	39751	2.256	ug/l	91
68) m/p-Xylenes	11.898	106	31410	4.742	ug/l	97
69) o-Xylene	12.222	106	17160	2.577	ug/l	92
70) Styrene	12.233	104	25439	2.403	ug/l	95
71) Bromoform	12.398	173	6367	2.333	ug/l #	88
73) Isopropylbenzene	12.522	105	40530	2.669	ug/l	97
74) N-amyl acetate	12.333	43	23264	2.631	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.769	83	17443	3.057	ug/l	94
76) 1,2,3-Trichloropropane	12.827	75	11154m	2.700	ug/l	
77) Bromobenzene	12.804	156	10405	3.192	ug/l	89
78) n-propylbenzene	12.863	91	43038	2.474	ug/l	99
79) 2-Chlorotoluene	12.951	91	28320	2.670	ug/l	99
80) 1,3,5-Trimethylbenzene	13.004	105	33761	2.680	ug/l	89
81) trans-1,4-Dichloro-2-b...	12.575	75	4913	2.650	ug/l	98
82) 4-Chlorotoluene	13.045	91	27942	2.730	ug/l	97
83) tert-Butylbenzene	13.269	119	30640	2.701	ug/l	95
84) 1,2,4-Trimethylbenzene	13.310	105	32126	2.573	ug/l	99
85) sec-Butylbenzene	13.439	105	38197	2.475	ug/l	99
86) p-Isopropyltoluene	13.563	119	28054	2.271	ug/l	96
87) 1,3-Dichlorobenzene	13.557	146	16029	2.659	ug/l	92
88) 1,4-Dichlorobenzene	13.633	146	15646	2.570	ug/l	83
89) n-Butylbenzene	13.886	91	24062	2.289	ug/l	97
90) Hexachloroethane	14.151	117	6773	2.595	ug/l	100
91) 1,2-Dichlorobenzene	13.927	146	16183	2.553	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.545	75	4319	2.780	ug/l	92
93) 1,2,4-Trichlorobenzene	15.198	180	6680	2.115	ug/l	89
94) Hexachlorobutadiene	15.316	225	3718	2.597	ug/l	95
95) Naphthalene	15.445	128	28343	2.294	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.633	180	8764	2.681	ug/l	90

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

