

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031124\
 Data File : VN081365.D
 Acq On : 11 Mar 2024 16:48
 Operator : JC\MD
 Sample : VSTDC0050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDC0050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/12/2024
 Supervised By : Mahesh Dadoda 03/12/2024

Quant Time: Mar 12 06:03:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030524W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 06 03:12:57 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.000	168	220	50.000	ug/l	-0.22
34) 1,4-Difluorobenzene	8.859	114	638864	50.000	ug/l	-0.25
63) Chlorobenzene-d5	11.812	117	429579	50.000	ug/l	-0.06
72) 1,4-Dichlorobenzene-d4	13.782	152	269474	50.000	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.259	65	253227	79607.206	ug/l	-0.32
Spiked Amount 50.000	Range 74 - 125		Recovery = 159214.420%#			
35) Dibromofluoromethane	7.782	113	202052	51.621	ug/l	-0.38
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.240%			
50) Toluene-d8	10.453	98	758625	51.847	ug/l	-0.12
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.700%			
62) 4-Bromofluorobenzene	12.523	95	128	0.025	ug/l	-0.33
Spiked Amount 50.000	Range 64 - 133		Recovery = 0.040%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.153	85	68	23.317	ug/l #	44
3) Chloromethane	2.330	50	188	59.679	ug/l #	43
4) Vinyl Chloride	2.189	62	55	16.736	ug/l #	1
5) Bromomethane	2.665	94	54	24.603	ug/l #	6
7) Trichlorofluoromethane	3.359	101	209849	43165.172	ug/l	99
8) Diethyl Ether	4.012	74	66590	38878.190	ug/l #	3
10) Methyl Iodide	4.465	142	54	21.315	ug/l #	39
11) Tert butyl alcohol	5.412	59	58	104.276	ug/l #	72
12) 1,1-Dichloroethene	4.094	96	115	44.855	ug/l #	1
13) Acrolein	4.071	56	59	89.581	ug/l #	50
14) Allyl chloride	4.877	41	143775	37786.992	ug/l #	65
15) Acrylonitrile	5.524	53	76	52.303	ug/l #	18
16) Acetone	4.536	43	24526	21761.651	ug/l #	55
18) Methyl Acetate	4.865	43	143482	44466.233	ug/l	97
19) Methyl tert-butyl Ether	5.624	73	71	8.165	ug/l #	53
21) trans-1,2-Dichloroethene	5.665	96	204	70.575	ug/l #	1
22) Diisopropyl ether	6.641	45	79	9.348	ug/l #	39
23) Vinyl Acetate	6.430	43	355	51.708	ug/l #	75
25) 2-Butanone	7.377	43	100685	53345.266	ug/l #	1
27) cis-1,2-Dichloroethene	7.065	96	698	212.991	ug/l #	1
28) Bromochloromethane	7.553	49	36593	16531.331	ug/l #	26
29) Tetrahydrofuran	7.383	42	433725	336996.655	ug/l	89
30) Chloroform	7.547	83	423118	78816.432	ug/l	99
31) Cyclohexane	7.971	56	420925	87402.603	ug/l #	26
32) 1,1,1-Trichloroethane	7.777	97	378781	79823.319	ug/l #	90
36) 1,1-Dichloropropene	8.018	75	314594	49.820	ug/l	96
37) Ethyl Acetate	7.377	43	100685	16.311	ug/l #	74
38) Carbon Tetrachloride	8.000	117	318544	50.123	ug/l	98
39) Methylcyclohexane	9.400	83	351990	48.435	ug/l #	88
40) Benzene	8.288	78	907511	48.148	ug/l	96
41) Methacrylonitrile	7.383	41	258008	74.015	ug/l #	46
42) 1,2-Dichloroethane	8.365	62	329016	49.508	ug/l	98
43) Isopropyl Acetate	8.406	43	506310	46.862	ug/l	92
44) Trichloroethene	9.135	130	236331	49.714	ug/l	97
45) 1,2-Dichloropropane	9.429	63	237551	50.170	ug/l	94
46) Dibromomethane	9.524	93	163528	48.998	ug/l #	91

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 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
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 VSTDCCC050EC

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Quant Time: Mar 12 06:03:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030524W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 06 03:12:57 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Bromodichloromethane	9.724	83	338412	52.232	ug/l #	93
48) Methyl methacrylate	9.412	41	287407	60.181	ug/l #	41
49) 1,4-Dioxane	9.512	88	87430	830.600	ug/l	87
51) 4-Methyl-2-Pentanone	10.329	43	1507517	240.302	ug/l	95
52) Toluene	10.518	92	571896	50.228	ug/l	100
53) t-1,3-Dichloropropene	10.747	75	370838	52.900	ug/l	96
54) cis-1,3-Dichloropropene	10.182	75	391770	51.769	ug/l	95
55) 1,1,2-Trichloroethane	10.929	97	223703	49.545	ug/l	95
56) Ethyl methacrylate	10.794	69	348898	53.814	ug/l	91
57) 1,3-Dichloropropane	10.741	76	14543	1.846	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.029	63	920675	263.991	ug/l #	89
59) 2-Hexanone	11.123	43	1123129	239.477	ug/l	96
60) Dibromochloromethane	11.288	129	243189	52.298	ug/l	100
61) 1,2-Dibromoethane	11.400	107	232767	49.685	ug/l	99
64) Tetrachloroethene	11.018	164	218777	65.043	ug/l	93
65) Chlorobenzene	11.841	112	603685	66.688	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.912	131	226113	68.261	ug/l	98
67) Ethyl Benzene	11.918	91	1126946	69.111	ug/l	99
68) m/p-Xylenes	12.029	106	849329	138.400	ug/l	99
69) o-Xylene	12.365	106	418522	70.370	ug/l	96
70) Styrene	12.376	104	689826	73.191	ug/l	99
71) Bromoform	12.547	173	159864	69.515	ug/l #	99
73) Isopropylbenzene	12.670	105	1097896	50.455	ug/l	98
74) N-amyl acetate	12.470	43	459932	50.375	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.917	83	293641	43.727	ug/l	97
76) 1,2,3-Trichloropropane	12.976	75	298331m	46.871	ug/l	
77) Bromobenzene	12.959	156	238820	46.290	ug/l	80
78) n-propylbenzene	13.017	91	1330768	51.706	ug/l	97
79) 2-Chlorotoluene	13.106	91	767898	48.812	ug/l	94
80) 1,3,5-Trimethylbenzene	13.159	105	927929	51.587	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.712	75	109013	47.799	ug/l	90
82) 4-Chlorotoluene	13.206	91	775043	49.878	ug/l	96
83) tert-Butylbenzene	13.423	119	780175	50.592	ug/l	95
84) 1,2,4-Trimethylbenzene	13.470	105	929468	51.002	ug/l	97
85) sec-Butylbenzene	13.606	105	1125188	50.436	ug/l	95
86) p-Isopropyltoluene	13.723	119	935371	52.281	ug/l	98
87) 1,3-Dichlorobenzene	13.723	146	458761	47.092	ug/l	95
88) 1,4-Dichlorobenzene	13.800	146	452849	46.507	ug/l	98
89) n-Butylbenzene	14.047	91	857619	52.271	ug/l	98
90) Hexachloroethane	14.329	117	153538	49.017	ug/l	98
91) 1,2-Dichlorobenzene	14.100	146	437727	46.832	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.717	75	64514	44.894	ug/l	82
93) 1,2,4-Trichlorobenzene	15.394	180	265729	53.187	ug/l	100
94) Hexachlorobutadiene	15.500	225	99910	48.396	ug/l	96
95) Naphthalene	15.641	128	914096	51.418	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	256487	50.623	ug/l	100

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

