

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030424\
 Data File : VN081293.D
 Acq On : 04 Mar 2024 10:06
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

03/04/2024
 Supervised By :Mahesh
 Dadoda

Quant Time: Mar 04 15:25:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021624W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 16 23:45:20 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	268417	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	481286	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	444867	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	212854	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	182620	55.507	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 111.020%	
35) Dibromofluoromethane	8.165	113	155711	57.215	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 114.420%	
50) Toluene-d8	10.571	98	492614	50.963	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.920%	
62) 4-Bromofluorobenzene	12.853	95	201922	55.594	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 111.180%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	180116	51.888	ug/l	95
3) Chloromethane	2.359	50	176130	46.414	ug/l	99
4) Vinyl Chloride	2.512	62	191472	49.658	ug/l	94
5) Bromomethane	2.954	94	115567	42.199	ug/l	97
6) Chloroethane	3.118	64	136022	54.643	ug/l	91
7) Trichlorofluoromethane	3.501	101	303407	53.863	ug/l	96
8) Diethyl Ether	3.959	74	113949	55.330	ug/l	84
9) 1,1,2-Trichlorotrifluo...	4.371	101	171455	54.600	ug/l #	90
10) Methyl Iodide	4.589	142	169824	48.450	ug/l	98
11) Tert butyl alcohol	5.530	59	164902	272.541	ug/l	100
12) 1,1-Dichloroethene	4.342	96	154034	50.745	ug/l	91
13) Acrolein	4.177	56	76075	234.586	ug/l	97
14) Allyl chloride	5.024	41	234905	52.156	ug/l #	89
15) Acrylonitrile	5.718	53	501304	317.241	ug/l	99
16) Acetone	4.424	43	353002	272.681	ug/l	98
17) Carbon Disulfide	4.712	76	360631	42.595	ug/l	96
18) Methyl Acetate	5.024	43	235446	74.555	ug/l	94
19) Methyl tert-butyl Ether	5.795	73	599671	57.681	ug/l	95
20) Methylene Chloride	5.277	84	191516	57.322	ug/l	90
21) trans-1,2-Dichloroethene	5.789	96	170768	50.424	ug/l	96
22) Diisopropyl ether	6.671	45	613518	60.050	ug/l #	94
23) Vinyl Acetate	6.606	43	2314809	279.254	ug/l #	95
24) 1,1-Dichloroethane	6.571	63	348178	58.939	ug/l	98
25) 2-Butanone	7.483	43	629790	301.134	ug/l #	90
26) 2,2-Dichloropropane	7.489	77	307372	55.530	ug/l	99
27) cis-1,2-Dichloroethene	7.489	96	217606	55.303	ug/l	88
28) Bromochloromethane	7.818	49	158535	64.733	ug/l #	67
29) Tetrahydrofuran	7.836	42	427124	305.939	ug/l #	88
30) Chloroform	7.965	83	377864	60.168	ug/l	100
31) Cyclohexane	8.259	56	272074	47.893	ug/l #	78
32) 1,1,1-Trichloroethane	8.171	97	321201	56.159	ug/l	95
36) 1,1-Dichloropropene	8.371	75	253009	54.264	ug/l	97
37) Ethyl Acetate	7.559	43	257301	61.146	ug/l	98
38) Carbon Tetrachloride	8.365	117	268313	56.879	ug/l	98
39) Methylcyclohexane	9.600	83	285640	52.553	ug/l	89
40) Benzene	8.606	78	773971	57.349	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	148757	62.115	ug/l	95
42) 1,2-Dichloroethane	8.671	62	286773	60.906	ug/l	99
43) Isopropyl Acetate	8.694	43	458733	62.332	ug/l	97
44) Trichloroethene	9.353	130	194591	54.136	ug/l	98
45) 1,2-Dichloropropane	9.624	63	201881	59.801	ug/l	99
46) Dibromomethane	9.712	93	145393	59.110	ug/l	91
47) Bromodichloromethane	9.894	83	296737	63.697	ug/l #	97
48) Methyl methacrylate	9.683	41	206604	60.332	ug/l	91
49) 1,4-Dioxane	9.694	88	87242	1400.418	ug/l #	84
51) 4-Methyl-2-Pentanone	10.447	43	1419881	335.386	ug/l	96
52) Toluene	10.635	92	484519	56.710	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	315248	60.895	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	331091	59.195	ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	203026	61.783	ug/l	95
56) Ethyl methacrylate	10.877	69	297009	59.139	ug/l	90
57) 1,3-Dichloropropane	11.165	76	346922	61.057	ug/l	97
58) 2-Chloroethyl Vinyl ether	10.165	63	740302	293.784	ug/l #	89
59) 2-Hexanone	11.200	43	1053724	313.946	ug/l	96
60) Dibromochloromethane	11.359	129	215278	61.667	ug/l	99
61) 1,2-Dibromoethane	11.471	107	203192	58.801	ug/l	98
64) Tetrachloroethene	11.106	164	189392	62.377	ug/l	95
65) Chlorobenzene	11.894	112	524726	54.498	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.965	131	192615	55.697	ug/l	95
67) Ethyl Benzene	11.965	91	964922	56.006	ug/l	100
68) m/p-Xylenes	12.076	106	726272	109.977	ug/l	96
69) o-Xylene	12.400	106	357048	54.544	ug/l	96
70) Styrene	12.412	104	599361	57.780	ug/l	97
71) Bromoform	12.582	173	142110	64.771	ug/l #	98
73) Isopropylbenzene	12.694	105	954353	51.245	ug/l	100
74) N-amyl acetate	12.494	43	388608	49.373	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.941	83	278603	53.202	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	267802m	55.375	ug/l	
77) Bromobenzene	12.982	156	213369	51.384	ug/l	79
78) n-propylbenzene	13.041	91	1154328	53.843	ug/l	98
79) 2-Chlorotoluene	13.129	91	681629	51.835	ug/l	95
80) 1,3,5-Trimethylbenzene	13.176	105	811316	53.731	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	95206	50.671	ug/l #	74
82) 4-Chlorotoluene	13.223	91	669067	52.036	ug/l	95
83) tert-Butylbenzene	13.441	119	675528	51.739	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	820529	54.533	ug/l	98
85) sec-Butylbenzene	13.618	105	1024176	56.425	ug/l	95
86) p-Isopropyltoluene	13.729	119	826820	54.842	ug/l	97
87) 1,3-Dichlorobenzene	13.735	146	405561	51.691	ug/l	95
88) 1,4-Dichlorobenzene	13.812	146	408194	52.947	ug/l	97
89) n-Butylbenzene	14.059	91	754335	57.431	ug/l	98
90) Hexachloroethane	14.341	117	136737	54.869	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	398052	52.602	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.723	75	57707	53.002	ug/l	82
93) 1,2,4-Trichlorobenzene	15.394	180	227961	53.997	ug/l	99
94) Hexachlorobutadiene	15.506	225	87963	55.868	ug/l	95
95) Naphthalene	15.641	128	808738	52.276	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	230432	55.021	ug/l	98

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

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