

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020524\
 Data File : VN080916.D
 Acq On : 05 Feb 2024 23:02
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/06/2024
 Supervised By : Mahesh Dadoda 02/06/2024

Quant Time: Feb 06 04:51:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N012924W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 29 12:54:23 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	99711	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	205433	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	178979	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	73701	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	86169	49.954	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.900%		
35) Dibromofluoromethane	8.165	113	61915	49.262	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.520%		
50) Toluene-d8	10.571	98	238507	48.485	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.960%		
62) 4-Bromofluorobenzene	12.853	95	86607	50.523	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	101.040%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.124	85	72777	49.140	ug/l	98
3) Chloromethane	2.360	50	102372	45.984	ug/l	94
4) Vinyl Chloride	2.512	62	82661	48.839	ug/l	97
5) Bromomethane	2.942	94	34736	51.310	ug/l	89
6) Chloroethane	3.118	64	50030	55.444	ug/l	95
7) Trichlorofluoromethane	3.495	101	114382	52.218	ug/l	90
8) Diethyl Ether	3.959	74	51637	51.101	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.371	101	66634	52.167	ug/l	98
10) Methyl Iodide	4.589	142	53668	49.772	ug/l	97
11) Tert butyl alcohol	5.518	59	78415	278.868	ug/l	98
12) 1,1-Dichloroethene	4.336	96	65681	46.928	ug/l	89
13) Acrolein	4.177	56	84224	237.522	ug/l	100
14) Allyl chloride	5.024	41	135810	49.092	ug/l	99
15) Acrylonitrile	5.718	53	227480	268.991	ug/l	97
16) Acetone	4.424	43	170091	271.884	ug/l	96
17) Carbon Disulfide	4.712	76	186339	42.765	ug/l #	91
18) Methyl Acetate	5.024	43	130109	59.675	ug/l	98
19) Methyl tert-butyl Ether	5.795	73	255060	51.719	ug/l	100
20) Methylene Chloride	5.277	84	82280	50.103	ug/l #	92
21) trans-1,2-Dichloroethene	5.783	96	74693	49.122	ug/l	89
22) Diisopropyl ether	6.671	45	329435	53.970	ug/l	98
23) Vinyl Acetate	6.600	43	1233357	279.257	ug/l	99
24) 1,1-Dichloroethane	6.571	63	163788	52.909	ug/l	98
25) 2-Butanone	7.483	43	311822	262.415	ug/l	96
26) 2,2-Dichloropropane	7.489	77	111699	44.643	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	89317	50.744	ug/l	98
28) Bromochloromethane	7.812	49	80133	48.892	ug/l	99
29) Tetrahydrofuran	7.836	42	220585	274.340	ug/l	98
30) Chloroform	7.965	83	151321	52.616	ug/l	98
31) Cyclohexane	8.259	56	135120	45.680	ug/l	97
32) 1,1,1-Trichloroethane	8.171	97	120476	51.658	ug/l	98
36) 1,1-Dichloropropene	8.371	75	117167	50.156	ug/l	96
37) Ethyl Acetate	7.559	43	125900	52.353	ug/l	98
38) Carbon Tetrachloride	8.359	117	96404	51.219	ug/l	98
39) Methylcyclohexane	9.600	83	110208	47.464	ug/l	99
40) Benzene	8.606	78	345725	50.354	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	75726	53.427	ug/l	94
42) 1,2-Dichloroethane	8.671	62	122822	54.909	ug/l	98
43) Isopropyl Acetate	8.689	43	231946	52.976	ug/l	98
44) Trichloroethene	9.347	130	75210	49.733	ug/l	99
45) 1,2-Dichloropropane	9.624	63	100722	54.208	ug/l	98
46) Dibromomethane	9.712	93	55999	50.840	ug/l	99
47) Bromodichloromethane	9.888	83	113944	50.953	ug/l	99
48) Methyl methacrylate	9.677	41	103832	48.918	ug/l	96
49) 1,4-Dioxane	9.694	88	28544	1116.416	ug/l #	95
51) 4-Methyl-2-Pentanone	10.447	43	698540	285.402	ug/l	97
52) Toluene	10.630	92	205184	52.121	ug/l	96
53) t-1,3-Dichloropropene	10.835	75	131381	50.431	ug/l	95
54) cis-1,3-Dichloropropene	10.312	75	144832	51.124	ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	80713	53.350	ug/l	95
56) Ethyl methacrylate	10.877	69	135578	58.294	ug/l	96
57) 1,3-Dichloropropane	11.165	76	145818	51.213	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	373864	275.748	ug/l	98
59) 2-Hexanone	11.200	43	508777	267.609	ug/l	96
60) Dibromochloromethane	11.359	129	73576	52.284	ug/l	98
61) 1,2-Dibromoethane	11.471	107	73759	52.021	ug/l	97
64) Tetrachloroethene	11.106	164	58879	50.050	ug/l	94
65) Chlorobenzene	11.894	112	194936	49.904	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.965	131	68419	53.863	ug/l	96
67) Ethyl Benzene	11.965	91	382550	52.692	ug/l	95
68) m/p-Xylenes	12.071	106	265168	102.845	ug/l	89
69) o-Xylene	12.400	106	132605	51.759	ug/l	92
70) Styrene	12.412	104	214566	52.148	ug/l	91
71) Bromoform	12.582	173	48565	56.545	ug/l #	96
73) Isopropylbenzene	12.700	105	337988	50.078	ug/l	97
74) N-amyl acetate	12.494	43	217683	51.948	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.941	83	118044	49.721	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	108127m	48.644	ug/l	
77) Bromobenzene	12.982	156	66227	45.904	ug/l	92
78) n-propylbenzene	13.035	91	411152	50.992	ug/l	100
79) 2-Chlorotoluene	13.129	91	245864	47.976	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	275109	51.182	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	38979	45.175	ug/l #	82
82) 4-Chlorotoluene	13.224	91	250057	49.278	ug/l	98
83) tert-Butylbenzene	13.441	119	213875	49.826	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	278696	51.175	ug/l	99
85) sec-Butylbenzene	13.618	105	324571	51.290	ug/l	99
86) p-Isopropyltoluene	13.729	119	249901	50.816	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	127623	49.455	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	125316	48.437	ug/l	97
89) n-Butylbenzene	14.059	91	236615	49.168	ug/l	98
90) Hexachloroethane	14.335	117	42374	49.243	ug/l	95
91) 1,2-Dichlorobenzene	14.106	146	124440	52.686	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	22105	49.813	ug/l	98
93) 1,2,4-Trichlorobenzene	15.394	180	59877	49.255	ug/l	100
94) Hexachlorobutadiene	15.506	225	23685	44.596	ug/l	97
95) Naphthalene	15.647	128	233297	50.152	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	56414	47.212	ug/l	96

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

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