

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032224\
 Data File : VN081535.D
 Acq On : 22 Mar 2024 09:26
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone
 03/25/2024

Supervised By :Semsettin
 Yesilyurt
 03/25/2024

Quant Time: Mar 23 00:09:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031824W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 06:00:00 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	462869	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.100	114	792629	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	713116	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	338051	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.577	65	285438	48.356	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.720%
35) Dibromofluoromethane	8.165	113	250320	50.041	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.080%
50) Toluene-d8	10.565	98	903255	49.951	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.900%
62) 4-Bromofluorobenzene	12.847	95	319653	50.168	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	=	100.340%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.124	85	275783	44.249	ug/l	95
3) Chloromethane	2.359	50	250909	40.434	ug/l	94
4) Vinyl Chloride	2.518	62	293907	42.203	ug/l	96
5) Bromomethane	2.959	94	199942	40.596	ug/l	95
6) Chloroethane	3.124	64	197065	41.214	ug/l	94
7) Trichlorofluoromethane	3.501	101	499590	48.135	ug/l	98
8) Diethyl Ether	3.959	74	169023	49.208	ug/l	77
9) 1,1,2-Trichlorotrifluo...	4.371	101	285374	48.390	ug/l #	89
10) Methyl Iodide	4.589	142	312723	53.249	ug/l	96
11) Tert butyl alcohol	5.518	59	182128	177.052	ug/l	99
12) 1,1-Dichloroethene	4.342	96	259388	47.484	ug/l	89
13) Acrolein	4.177	56	270809	293.385	ug/l	99
14) Allyl chloride	5.024	41	326837	47.748	ug/l #	84
15) Acrylonitrile	5.706	53	598080	217.329	ug/l	98
16) Acetone	4.418	43	329578	172.767	ug/l	95
17) Carbon Disulfide	4.712	76	683530	43.604	ug/l	98
18) Methyl Acetate	5.018	43	271287	46.127	ug/l #	86
19) Methyl tert-butyl Ether	5.789	73	847686	49.584	ug/l	95
20) Methylene Chloride	5.277	84	297176	47.557	ug/l	85
21) trans-1,2-Dichloroethene	5.783	96	287554	47.212	ug/l	90
22) Diisopropyl ether	6.665	45	816266	51.323	ug/l #	90
23) Vinyl Acetate	6.600	43	3062135	241.882	ug/l #	89
24) 1,1-Dichloroethane	6.565	63	515653	48.407	ug/l	97
25) 2-Butanone	7.477	43	662416	202.449	ug/l #	87
26) 2,2-Dichloropropane	7.489	77	476171	51.538	ug/l	99
27) cis-1,2-Dichloroethene	7.489	96	339407	49.251	ug/l	86
28) Bromochloromethane	7.818	49	203138	46.818	ug/l #	54
29) Tetrahydrofuran	7.830	42	467472	212.078	ug/l #	78
30) Chloroform	7.965	83	560276	49.131	ug/l	99
31) Cyclohexane	8.259	56	441926	46.008	ug/l #	77
32) 1,1,1-Trichloroethane	8.165	97	508711	49.169	ug/l	90
36) 1,1-Dichloropropene	8.371	75	409207	48.610	ug/l	96
37) Ethyl Acetate	7.559	43	291854	40.487	ug/l #	97
38) Carbon Tetrachloride	8.359	117	452619	49.081	ug/l	98
39) Methylcyclohexane	9.600	83	486618	51.762	ug/l	86
40) Benzene	8.606	78	1215070	49.370	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	166976	43.801	ug/l	89
42) 1,2-Dichloroethane	8.671	62	411272	47.484	ug/l	98
43) Isopropyl Acetate	8.683	43	531701	44.498	ug/l #	89
44) Trichloroethene	9.353	130	334778	48.364	ug/l	94
45) 1,2-Dichloropropane	9.624	63	301811	50.600	ug/l	97
46) Dibromomethane	9.706	93	217539	48.025	ug/l #	87
47) Bromodichloromethane	9.888	83	434996	49.117	ug/l #	98
48) Methyl methacrylate	9.677	41	247248	44.862	ug/l #	83
49) 1,4-Dioxane	9.688	88	99119	748.372	ug/l #	81
51) 4-Methyl-2-Pentanone	10.441	43	1572687	215.697	ug/l	91
52) Toluene	10.630	92	778537	49.769	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	481737	50.374	ug/l	95
54) cis-1,3-Dichloropropene	10.312	75	523158	51.024	ug/l	91
55) 1,1,2-Trichloroethane	11.018	97	300725	47.770	ug/l	93
56) Ethyl methacrylate	10.871	69	423508	45.646	ug/l #	84
57) 1,3-Dichloropropane	11.165	76	505286	48.961	ug/l	97
58) 2-Chloroethyl Vinyl ether	10.159	63	991392	250.276	ug/l #	84
59) 2-Hexanone	11.194	43	1178413	218.603	ug/l	91
60) Dibromochloromethane	11.359	129	335886	48.515	ug/l	100
61) 1,2-Dibromoethane	11.471	107	305237	47.558	ug/l	97
64) Tetrachloroethene	11.100	164	337810	49.558	ug/l	90
65) Chlorobenzene	11.888	112	833704	49.454	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.959	131	314257	50.297	ug/l	96
67) Ethyl Benzene	11.965	91	1503594	51.346	ug/l	99
68) m/p-Xylenes	12.071	106	1165141	106.134	ug/l	95
69) o-Xylene	12.394	106	564683	52.395	ug/l	93
70) Styrene	12.412	104	932898	53.671	ug/l	95
71) Bromoform	12.576	173	223530	47.609	ug/l #	97
73) Isopropylbenzene	12.694	105	1481542	51.414	ug/l	97
74) N-amyl acetate	12.494	43	473897	45.444	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.935	83	361865	42.712	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	321508m	39.759	ug/l	
77) Bromobenzene	12.982	156	345387	48.521	ug/l	70
78) n-propylbenzene	13.035	91	1714103	50.370	ug/l	95
79) 2-Chlorotoluene	13.123	91	1011401	49.658	ug/l	91
80) 1,3,5-Trimethylbenzene	13.171	105	1219509	51.239	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.735	75	138913	46.422	ug/l	87
82) 4-Chlorotoluene	13.223	91	1007697	50.183	ug/l	93
83) tert-Butylbenzene	13.441	119	1069268	52.099	ug/l	92
84) 1,2,4-Trimethylbenzene	13.482	105	1249696	52.242	ug/l	94
85) sec-Butylbenzene	13.618	105	1525736	52.002	ug/l	94
86) p-Isopropyltoluene	13.729	119	1294613	53.979	ug/l	95
87) 1,3-Dichlorobenzene	13.729	146	647482	49.507	ug/l	95
88) 1,4-Dichlorobenzene	13.812	146	646767	47.760	ug/l	96
89) n-Butylbenzene	14.053	91	1119205	52.626	ug/l	96
90) Hexachloroethane	14.335	117	224947	49.525	ug/l	92
91) 1,2-Dichlorobenzene	14.106	146	612584	48.664	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.717	75	74215	41.161	ug/l	71
93) 1,2,4-Trichlorobenzene	15.394	180	351511	48.295	ug/l	97
94) Hexachlorobutadiene	15.500	225	149537	46.825	ug/l	96
95) Naphthalene	15.641	128	1107684	46.967	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	337936	46.159	ug/l	96

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

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