

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021424\
 Data File : VN081022.D
 Acq On : 14 Feb 2024 13:25
 Operator : JC\MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/15/2024
 Supervised By : Mahesh Dadoda 02/15/2024

Quant Time: Feb 15 07:34:09 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021424W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 15 07:33:58 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	633466	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	1132781	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	943250	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	338862	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	45917	5.893	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	11.780%#		
35) Dibromofluoromethane	8.165	113	36643	5.642	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	11.280%#		
50) Toluene-d8	10.565	98	132572	5.788	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	11.580%#		
62) 4-Bromofluorobenzene	12.853	95	42276	5.427	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	10.860%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.118	85	38103	4.690	ug/l	91
3) Chloromethane	2.365	50	54987	5.440	ug/l	91
4) Vinyl Chloride	2.518	62	44393	5.203	ug/l	100
5) Bromomethane	2.942	94	23230	5.396	ug/l	94
6) Chloroethane	3.118	64	26284	4.791	ug/l	98
7) Trichlorofluoromethane	3.495	101	62711	5.221	ug/l	85
8) Diethyl Ether	3.959	74	24672	5.181	ug/l	88
9) 1,1,2-Trichlorotrifluo...	4.371	101	35517	5.011	ug/l	92
10) Methyl Iodide	4.583	142	35197	4.890	ug/l	95
11) Tert butyl alcohol	5.530	59	36207	25.906	ug/l #	72
12) 1,1-Dichloroethene	4.336	96	36705	5.316	ug/l	91
13) Acrolein	4.183	56	41106	29.017	ug/l	91
14) Allyl chloride	5.018	41	62318	5.543	ug/l	97
15) Acrylonitrile	5.712	53	88474	24.716	ug/l	93
16) Acetone	4.430	43	77405	25.377	ug/l	98
17) Carbon Disulfide	4.712	76	100215	5.010	ug/l	96
18) Methyl Acetate	5.024	43	41775	5.200	ug/l	92
19) Methyl tert-butyl Ether	5.794	73	121962	5.063	ug/l	99
20) Methylene Chloride	5.265	84	41450	5.217	ug/l #	82
21) trans-1,2-Dichloroethene	5.783	96	40123	5.286	ug/l	90
22) Diisopropyl ether	6.671	45	127972	5.204	ug/l	94
23) Vinyl Acetate	6.600	43	504893m	25.477	ug/l	
24) 1,1-Dichloroethane	6.565	63	69553	5.072	ug/l	98
25) 2-Butanone	7.477	43	125269	25.297	ug/l	97
26) 2,2-Dichloropropane	7.488	77	61455	4.869	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	43614	4.972	ug/l	92
28) Bromochloromethane	7.812	49	30290	5.471	ug/l #	70
29) Tetrahydrofuran	7.836	42	85618	26.903	ug/l	90
30) Chloroform	7.959	83	77450	5.262	ug/l	94
31) Cyclohexane	8.259	56	77942	5.758	ug/l #	87
32) 1,1,1-Trichloroethane	8.165	97	65563	5.045	ug/l	88
36) 1,1-Dichloropropene	8.371	75	54885	5.065	ug/l	97
37) Ethyl Acetate	7.553	43	49540	4.998	ug/l #	95
38) Carbon Tetrachloride	8.359	117	38983	4.915	ug/l #	94
39) Methylcyclohexane	9.600	83	64951	4.872	ug/l	95
40) Benzene	8.606	78	164123	5.122	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	28372	4.715	ug/l	95
42) 1,2-Dichloroethane	8.671	62	58258	5.122	ug/l	98
43) Isopropyl Acetate	8.683	43	94422	5.084	ug/l #	96
44) Trichloroethene	9.353	130	47932	5.050	ug/l	97
45) 1,2-Dichloropropane	9.624	63	40393	5.096	ug/l	100
46) Dibromomethane	9.706	93	28142	5.029	ug/l	92
47) Bromodichloromethane	9.888	83	54833	5.000	ug/l #	92
48) Methyl methacrylate	9.682	41	41749	4.775	ug/l	91
49) 1,4-Dioxane	9.694	88	22993	87.997	ug/l #	67
51) 4-Methyl-2-Pentanone	10.447	43	265364	25.621	ug/l	95
52) Toluene	10.629	92	100972	5.044	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	65801	5.093	ug/l	94
54) cis-1,3-Dichloropropene	10.312	75	67194	4.918	ug/l	99
55) 1,1,2-Trichloroethane	11.018	97	37705	5.009	ug/l	93
56) Ethyl methacrylate	10.871	69	60825	4.935	ug/l	93
57) 1,3-Dichloropropane	11.165	76	67244	5.000	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	159602	26.097	ug/l	92
59) 2-Hexanone	11.194	43	193430	25.429	ug/l	96
60) Dibromochloromethane	11.359	129	35204	4.918	ug/l	99
61) 1,2-Dibromoethane	11.471	107	39659	5.011	ug/l	99
64) Tetrachloroethene	11.100	164	50749	5.277	ug/l	86
65) Chlorobenzene	11.894	112	99954	5.054	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.959	131	34768	5.106	ug/l	97
67) Ethyl Benzene	11.965	91	188036	5.043	ug/l	97
68) m/p-Xylenes	12.071	106	141110	10.262	ug/l	99
69) o-Xylene	12.400	106	69449	5.207	ug/l	99
70) Styrene	12.412	104	104934	4.937	ug/l	98
71) Bromoform	12.582	173	16617	4.796	ug/l #	92
73) Isopropylbenzene	12.700	105	171713	5.015	ug/l	98
74) N-amyl acetate	12.494	43	81845	5.196	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.941	83	43408	5.166	ug/l	99
76) 1,2,3-Trichloropropane	13.000	75	35510m	4.824	ug/l	
77) Bromobenzene	12.982	156	35784	5.160	ug/l	80
78) n-propylbenzene	13.035	91	195646	5.008	ug/l	96
79) 2-Chlorotoluene	13.129	91	118147	5.236	ug/l	97
80) 1,3,5-Trimethylbenzene	13.170	105	137149	5.163	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.741	75	17095	5.315	ug/l	92
82) 4-Chlorotoluene	13.223	91	114001	5.228	ug/l	98
83) tert-Butylbenzene	13.441	119	119254	5.243	ug/l	95
84) 1,2,4-Trimethylbenzene	13.482	105	131985	5.157	ug/l	95
85) sec-Butylbenzene	13.617	105	158895	5.092	ug/l	95
86) p-Isopropyltoluene	13.729	119	127228	5.070	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	61933	5.252	ug/l	93
88) 1,4-Dichlorobenzene	13.812	146	63262	5.192	ug/l	98
89) n-Butylbenzene	14.059	91	112767	4.909	ug/l	98
90) Hexachloroethane	14.341	117	4549m	6.045	ug/l	
91) 1,2-Dichlorobenzene	14.106	146	58979	5.159	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.723	75	10400	4.827	ug/l	96
93) 1,2,4-Trichlorobenzene	15.394	180	32744	4.781	ug/l	97
94) Hexachlorobutadiene	15.506	225	14012	4.947	ug/l	93
95) Naphthalene	15.641	128	122453	5.026	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	32598	4.857	ug/l	98

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

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