

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032924\
 Data File : VN081610.D
 Acq On : 29 Mar 2024 12:56
 Operator : JC\MD
 Sample : VN0329WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0329WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/01/2024
 Supervised By : Mahesh Dadoda 04/01/2024

Quant Time: Mar 30 00:27:05 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	328929	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	572090	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	509074	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	237024	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	235455	56.131	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.260%			
35) Dibromofluoromethane	8.165	113	205644	56.958	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 113.920%			
50) Toluene-d8	10.565	98	718381	55.042	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 110.080%			
62) 4-Bromofluorobenzene	12.853	95	249728	54.303	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 108.600%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	72502	16.370	ug/l	94
3) Chloromethane	2.359	50	72169	16.366	ug/l	99
4) Vinyl Chloride	2.518	62	87531	17.687	ug/l	94
5) Bromomethane	2.959	94	59796	17.085	ug/l	82
6) Chloroethane	3.130	64	63576	18.710	ug/l	95
7) Trichlorofluoromethane	3.495	101	140351	19.029	ug/l	95
8) Diethyl Ether	3.959	74	43709	17.907	ug/l	78
9) 1,1,2-Trichlorotrifluo...	4.377	101	79082	18.870	ug/l	91
10) Methyl Iodide	4.589	142	72028	17.259	ug/l	96
11) Tert butyl alcohol	5.506	59	70784	96.831	ug/l	97
12) 1,1-Dichloroethene	4.342	96	70200	18.084	ug/l	92
13) Acrolein	4.177	56	53275	81.218	ug/l	99
14) Allyl chloride	5.024	41	85442	17.565	ug/l #	88
15) Acrylonitrile	5.712	53	183601	93.884	ug/l	99
16) Acetone	4.424	43	125106	92.286	ug/l	98
17) Carbon Disulfide	4.712	76	174451	15.660	ug/l	98
18) Methyl Acetate	5.024	43	89652	21.451	ug/l #	83
19) Methyl tert-butyl Ether	5.789	73	229957	18.928	ug/l	93
20) Methylene Chloride	5.283	84	85485	19.251	ug/l #	84
21) trans-1,2-Dichloroethene	5.783	96	77995	18.020	ug/l	88
22) Diisopropyl ether	6.671	45	221763	19.621	ug/l #	84
23) Vinyl Acetate	6.600	43	818422	90.973	ug/l #	88
24) 1,1-Dichloroethane	6.565	63	143396	18.943	ug/l	99
25) 2-Butanone	7.482	43	217495	93.539	ug/l	95
26) 2,2-Dichloropropane	7.482	77	130340	19.852	ug/l	98
27) cis-1,2-Dichloroethene	7.488	96	94334	19.263	ug/l	84
28) Bromochloromethane	7.818	49	56294	18.258	ug/l #	56
29) Tetrahydrofuran	7.841	42	143639	91.700	ug/l #	78
30) Chloroform	7.965	83	164276	20.271	ug/l	96
31) Cyclohexane	8.253	56	120806	17.698	ug/l #	74
32) 1,1,1-Trichloroethane	8.171	97	147378	20.045	ug/l #	87
36) 1,1-Dichloropropene	8.371	75	109202	17.973	ug/l	96
37) Ethyl Acetate	7.559	43	93632	17.996	ug/l	95
38) Carbon Tetrachloride	8.365	117	123693	18.584	ug/l	96
39) Methylcyclohexane	9.600	83	115586	17.035	ug/l	85
40) Benzene	8.606	78	341054	19.200	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	50614	18.395	ug/l	92
42) 1,2-Dichloroethane	8.671	62	118113	18.894	ug/l	100
43) Isopropyl Acetate	8.688	43	150943	17.502	ug/l #	88
44) Trichloroethene	9.353	130	92537	18.522	ug/l	91
45) 1,2-Dichloropropane	9.624	63	88946	20.661	ug/l	96
46) Dibromomethane	9.712	93	64114	19.611	ug/l #	89
47) Bromodichloromethane	9.888	83	131976	20.647	ug/l #	98
48) Methyl methacrylate	9.676	41	71133	17.882	ug/l #	84
49) 1,4-Dioxane	9.694	88	33269	348.022	ug/l #	84
51) 4-Methyl-2-Pentanone	10.447	43	488045	92.740	ug/l	92
52) Toluene	10.629	92	217943	19.303	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	126931	18.390	ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	140362	18.967	ug/l	89
55) 1,1,2-Trichloroethane	11.018	97	93001	20.468	ug/l	93
56) Ethyl methacrylate	10.876	69	112427	18.142	ug/l #	81
57) 1,3-Dichloropropane	11.159	76	148512	19.938	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	290146	101.484	ug/l #	86
59) 2-Hexanone	11.194	43	357904	91.988	ug/l	91
60) Dibromochloromethane	11.359	129	100711	20.154	ug/l	100
61) 1,2-Dibromoethane	11.470	107	89646	19.352	ug/l	96
64) Tetrachloroethene	11.106	164	96933	19.920	ug/l	85
65) Chlorobenzene	11.894	112	231494	19.236	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.959	131	91170	20.440	ug/l	96
67) Ethyl Benzene	11.965	91	405748	19.409	ug/l	100
68) m/p-Xylenes	12.070	106	318953	40.699	ug/l	93
69) o-Xylene	12.400	106	150266	19.531	ug/l	93
70) Styrene	12.412	104	248784	20.050	ug/l	96
71) Bromoform	12.582	173	62791	18.734	ug/l #	93
73) Isopropylbenzene	12.694	105	393979	19.500	ug/l	98
74) N-amyl acetate	12.494	43	124725	17.058	ug/l #	81
75) 1,1,2,2-Tetrachloroethane	12.941	83	115406	19.428	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	105963m	18.689	ug/l	
77) Bromobenzene	12.982	156	96619	19.359	ug/l	72
78) n-propylbenzene	13.035	91	463488	19.425	ug/l	96
79) 2-Chlorotoluene	13.123	91	282143	19.757	ug/l	93
80) 1,3,5-Trimethylbenzene	13.176	105	333740	19.999	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.741	75	38496m	18.348	ug/l	
82) 4-Chlorotoluene	13.223	91	272468	19.352	ug/l	93
83) tert-Butylbenzene	13.441	119	281723	19.577	ug/l	93
84) 1,2,4-Trimethylbenzene	13.482	105	334714	19.956	ug/l	95
85) sec-Butylbenzene	13.617	105	406350	19.753	ug/l	94
86) p-Isopropyltoluene	13.729	119	333673	19.843	ug/l	96
87) 1,3-Dichlorobenzene	13.735	146	181002	19.739	ug/l	96
88) 1,4-Dichlorobenzene	13.812	146	178233	18.771	ug/l	96
89) n-Butylbenzene	14.059	91	275272	18.461	ug/l	96
90) Hexachloroethane	14.335	117	62053	19.485	ug/l	95
91) 1,2-Dichlorobenzene	14.106	146	172299	19.522	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.723	75	22924	18.133	ug/l	74
93) 1,2,4-Trichlorobenzene	15.394	180	88526	17.347	ug/l	98
94) Hexachlorobutadiene	15.500	225	40917	18.274	ug/l	93
95) Naphthalene	15.641	128	279314	16.891	ug/l	98
96) 1,2,3-Trichlorobenzene	15.841	180	90317	17.595	ug/l	99

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

