

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051024\
 Data File : VN082067.D
 Acq On : 10 May 2024 14:10
 Operator : JC\MD
 Sample : VN0510WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0510WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/13/2024
 Supervised By : Mahesh Dadoda 05/13/2024

Quant Time: May 10 23:21:13 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042524W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 26 05:26:49 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	128961	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	273455	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	236177	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	95559	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	117339	53.911	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	107.820%
35) Dibromofluoromethane	8.165	113	81701	49.623	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.240%
50) Toluene-d8	10.565	98	330277	51.077	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.160%
62) 4-Bromofluorobenzene	12.847	95	110788	43.342	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	=	86.680%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	32000	17.677	ug/l	89
3) Chloromethane	2.359	50	40790	21.599	ug/l	97
4) Vinyl Chloride	2.512	62	36063	21.095	ug/l	96
5) Bromomethane	2.959	94	20319	25.418	ug/l	94
6) Chloroethane	3.118	64	23336	27.008	ug/l	92
7) Trichlorofluoromethane	3.495	101	47361	17.909	ug/l	94
8) Diethyl Ether	3.953	74	25186	22.420	ug/l	81
9) 1,1,2-Trichlorotrifluo...	4.371	101	31809	20.718	ug/l	90
10) Methyl Iodide	4.589	142	26904	20.007	ug/l	88
11) Tert butyl alcohol	5.518	59	43189	109.154	ug/l	99
12) 1,1-Dichloroethene	4.342	96	32388	20.736	ug/l	97
13) Acrolein	4.171	56	31431	97.360	ug/l	97
14) Allyl chloride	5.018	41	60156	18.207	ug/l #	89
15) Acrylonitrile	5.718	53	113176	119.119	ug/l	98
16) Acetone	4.424	43	80717	122.625	ug/l	97
17) Carbon Disulfide	4.712	76	78247	16.667	ug/l	95
18) Methyl Acetate	5.018	43	59762	27.108	ug/l	91
19) Methyl tert-butyl Ether	5.795	73	124901	21.192	ug/l #	88
20) Methylene Chloride	5.277	84	39647	21.256	ug/l #	80
21) trans-1,2-Dichloroethene	5.789	96	33753	19.819	ug/l	86
22) Diisopropyl ether	6.671	45	143937	22.514	ug/l #	88
23) Vinyl Acetate	6.600	43	562274	108.241	ug/l #	94
24) 1,1-Dichloroethane	6.565	63	73140	21.980	ug/l	98
25) 2-Butanone	7.483	43	147664	119.533	ug/l #	84
26) 2,2-Dichloropropane	7.489	77	57478	18.777	ug/l	99
27) cis-1,2-Dichloroethene	7.489	96	42981	21.598	ug/l	88
28) Bromochloromethane	7.812	49	40794	25.794	ug/l #	76
29) Tetrahydrofuran	7.836	42	98595	111.297	ug/l	91
30) Chloroform	7.965	83	69457	21.058	ug/l	95
31) Cyclohexane	8.259	56	65763	20.057	ug/l #	82
32) 1,1,1-Trichloroethane	8.171	97	53793	18.288	ug/l	95
36) 1,1-Dichloropropene	8.371	75	47062	17.570	ug/l	94
37) Ethyl Acetate	7.559	43	58852	20.321	ug/l	99
38) Carbon Tetrachloride	8.365	117	43963	16.793	ug/l	96
39) Methylcyclohexane	9.600	83	54319	16.698	ug/l #	86
40) Benzene	8.606	78	159475	19.833	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	36531	19.769	ug/l #	87
42) 1,2-Dichloroethane	8.671	62	53982	18.079	ug/l	99
43) Isopropyl Acetate	8.688	43	121657	22.341	ug/l #	89
44) Trichloroethene	9.353	130	30044	16.206	ug/l	75
45) 1,2-Dichloropropane	9.624	63	43833	20.830	ug/l	99
46) Dibromomethane	9.706	93	26952	18.530	ug/l #	87
47) Bromodichloromethane	9.888	83	53921	17.579	ug/l #	97
48) Methyl methacrylate	9.677	41	51783	19.920	ug/l #	85
49) 1,4-Dioxane	9.694	88	17005	430.386	ug/l #	84
51) 4-Methyl-2-Pentanone	10.447	43	331501	108.140	ug/l	93
52) Toluene	10.635	92	95705	19.875	ug/l	97
53) t-1,3-Dichloropropene	10.835	75	60379	18.090	ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	65674	19.092	ug/l #	88
55) 1,1,2-Trichloroethane	11.018	97	37957	20.043	ug/l	99
56) Ethyl methacrylate	10.877	69	69152	19.176	ug/l #	84
57) 1,3-Dichloropropane	11.165	76	67846	20.151	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	159346	96.999	ug/l #	88
59) 2-Hexanone	11.194	43	242428	106.266	ug/l	95
60) Dibromochloromethane	11.359	129	36437	18.166	ug/l	98
61) 1,2-Dibromoethane	11.476	107	35085	19.373	ug/l	100
64) Tetrachloroethene	11.106	164	26444	15.416	ug/l #	82
65) Chlorobenzene	11.894	112	97905	18.983	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	32659	19.484	ug/l	93
67) Ethyl Benzene	11.965	91	176611	18.413	ug/l	93
68) m/p-Xylenes	12.071	106	127252	37.194	ug/l	93
69) o-Xylene	12.400	106	65442	19.592	ug/l	95
70) Styrene	12.412	104	107317	18.572	ug/l	96
71) Bromoform	12.576	173	20423	15.498	ug/l #	100
73) Isopropylbenzene	12.700	105	160129	18.847	ug/l	98
74) N-amyl acetate	12.494	43	92744	19.607	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.941	83	55273	21.664	ug/l	95
76) 1,2,3-Trichloropropane	12.994	75	50913m	20.549	ug/l	
77) Bromobenzene	12.982	156	32511	18.286	ug/l	61
78) n-propylbenzene	13.035	91	193679	18.767	ug/l	96
79) 2-Chlorotoluene	13.123	91	117013	17.821	ug/l	90
80) 1,3,5-Trimethylbenzene	13.176	105	130251	18.117	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.741	75	21031	17.394	ug/l	89
82) 4-Chlorotoluene	13.223	91	116634	18.297	ug/l	94
83) tert-Butylbenzene	13.441	119	107827	18.010	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	132470	18.451	ug/l	96
85) sec-Butylbenzene	13.618	105	160518	19.033	ug/l	95
86) p-Isopropyltoluene	13.729	119	123507	18.239	ug/l	96
87) 1,3-Dichlorobenzene	13.735	146	62121	18.726	ug/l	96
88) 1,4-Dichlorobenzene	13.812	146	61784	18.913	ug/l	95
89) n-Butylbenzene	14.059	91	119189	18.910	ug/l	96
90) Hexachloroethane	14.329	117	23030	17.289	ug/l	89
91) 1,2-Dichlorobenzene	14.106	146	59863	18.824	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.723	75	10525	16.944	ug/l	78
93) 1,2,4-Trichlorobenzene	15.394	180	30542	17.167	ug/l	98
94) Hexachlorobutadiene	15.506	225	10941	16.684	ug/l	96
95) Naphthalene	15.647	128	119536	17.781	ug/l	100
96) 1,2,3-Trichlorobenzene	15.847	180	29836	17.467	ug/l	94

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

