

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091824\
 Data File : VN083978.D
 Acq On : 18 Sep 2024 13:17
 Operator : JC\MD
 Sample : VN0918WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/19/2024
 Supervised By : Mahesh Dadoda 09/19/2024

Quant Time: Sep 19 01:31:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 11 15:18:56 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	151489	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	265623	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	227639	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	106577	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	110869	48.536	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.080%		
35) Dibromofluoromethane	8.165	113	78766	46.320	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.640%		
50) Toluene-d8	10.565	98	282399	48.038	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.080%		
62) 4-Bromofluorobenzene	12.847	95	110023	45.363	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	90.720%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	32880	18.689	ug/l	94
3) Chloromethane	2.359	50	33898	17.675	ug/l	98
4) Vinyl Chloride	2.518	62	35264	18.287	ug/l	93
5) Bromomethane	2.959	94	23082	20.848	ug/l	95
6) Chloroethane	3.118	64	23746	17.555	ug/l	99
7) Trichlorofluoromethane	3.495	101	61810	18.883	ug/l	95
8) Diethyl Ether	3.965	74	21460	19.558	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.377	101	33590	19.361	ug/l	98
10) Methyl Iodide	4.589	142	41606	18.856	ug/l	98
11) Tert butyl alcohol	5.524	59	39172	128.063	ug/l	100
12) 1,1-Dichloroethene	4.342	96	31336	19.125	ug/l	96
13) Acrolein	4.183	56	21558	71.431	ug/l	96
14) Allyl chloride	5.024	41	58948	20.190	ug/l	99
15) Acrylonitrile	5.712	53	89654	107.777	ug/l	99
16) Acetone	4.424	43	87676	95.748	ug/l	89
17) Carbon Disulfide	4.712	76	76624	16.718	ug/l	98
18) Methyl Acetate	5.018	43	44813	22.466	ug/l	99
19) Methyl tert-butyl Ether	5.795	73	121597	20.508	ug/l	97
20) Methylene Chloride	5.283	84	36026	19.226	ug/l	96
21) trans-1,2-Dichloroethene	5.789	96	32139	18.303	ug/l	90
22) Diisopropyl ether	6.671	45	122205	20.333	ug/l	96
23) Vinyl Acetate	6.600	43	454840	103.342	ug/l	99
24) 1,1-Dichloroethane	6.571	63	68085	19.663	ug/l	98
25) 2-Butanone	7.483	43	126248	104.897	ug/l	99
26) 2,2-Dichloropropane	7.489	77	60296	18.909	ug/l	98
27) cis-1,2-Dichloroethene	7.489	96	40379	19.371	ug/l	95
28) Bromochloromethane	7.818	49	32119	22.027	ug/l	97
29) Tetrahydrofuran	7.841	42	80697	113.395	ug/l	99
30) Chloroform	7.971	83	72835	19.814	ug/l	95
31) Cyclohexane	8.259	56	57759	17.495	ug/l	91
32) 1,1,1-Trichloroethane	8.171	97	66874	19.785	ug/l	95
36) 1,1-Dichloropropene	8.371	75	47696	18.635	ug/l	99
37) Ethyl Acetate	7.559	43	52078	22.416	ug/l	97
38) Carbon Tetrachloride	8.359	117	57627	19.846	ug/l	99
39) Methylcyclohexane	9.606	83	52303	17.953	ug/l	99
40) Benzene	8.606	78	150445	19.529	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	29655	21.582	ug/l	97
42) 1,2-Dichloroethane	8.671	62	59966	20.832	ug/l	97
43) Isopropyl Acetate	8.688	43	89841	21.340	ug/l	97
44) Trichloroethene	9.353	130	35269	19.770	ug/l	95
45) 1,2-Dichloropropane	9.624	63	37092	19.921	ug/l	92
46) Dibromomethane	9.706	93	26646	20.431	ug/l	100
47) Bromodichloromethane	9.888	83	58578	20.754	ug/l	97
48) Methyl methacrylate	9.682	41	42859	21.457	ug/l	97
49) 1,4-Dioxane	9.700	88	15424	469.406	ug/l #	99
51) 4-Methyl-2-Pentanone	10.441	43	266804	116.420	ug/l	97
52) Toluene	10.630	92	92919	19.719	ug/l	97
53) t-1,3-Dichloropropene	10.835	75	57286	20.024	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	60008	19.968	ug/l	96
55) 1,1,2-Trichloroethane	11.018	97	36204	20.580	ug/l	97
56) Ethyl methacrylate	10.877	69	58827	21.735	ug/l	93
57) 1,3-Dichloropropane	11.165	76	61990	20.503	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	116100	119.048	ug/l	96
59) 2-Hexanone	11.194	43	195799	115.499	ug/l	97
60) Dibromochloromethane	11.359	129	41488	21.073	ug/l	99
61) 1,2-Dibromoethane	11.471	107	36282	20.680	ug/l	97
64) Tetrachloroethene	11.100	164	29667	19.597	ug/l	98
65) Chlorobenzene	11.888	112	100275	19.820	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	35686	20.346	ug/l	98
67) Ethyl Benzene	11.965	91	181658	20.212	ug/l	97
68) m/p-Xylenes	12.071	106	134929	40.437	ug/l	97
69) o-Xylene	12.400	106	66330	20.534	ug/l	99
70) Styrene	12.412	104	108992	20.559	ug/l	98
71) Bromoform	12.576	173	25796	21.826	ug/l #	99
73) Isopropylbenzene	12.694	105	171960	20.855	ug/l	100
74) N-amyl acetate	12.494	43	80613	22.915	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.935	83	50754	20.950	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	42627m	19.822	ug/l	
77) Bromobenzene	12.982	156	40085	20.196	ug/l	99
78) n-propylbenzene	13.035	91	198002	20.639	ug/l	99
79) 2-Chlorotoluene	13.123	91	127274	20.802	ug/l	98
80) 1,3,5-Trimethylbenzene	13.171	105	146038	21.007	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	17256m	21.016	ug/l	
82) 4-Chlorotoluene	13.223	91	125785	20.487	ug/l	99
83) tert-Butylbenzene	13.435	119	126221	20.753	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	149528	21.413	ug/l	100
85) sec-Butylbenzene	13.618	105	170170	21.097	ug/l	99
86) p-Isopropyltoluene	13.729	119	139640	20.652	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	73007	19.491	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	73143	19.284	ug/l	98
89) n-Butylbenzene	14.053	91	120447	19.840	ug/l	97
90) Hexachloroethane	14.335	117	26496	19.494	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	70430	19.483	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	11232	23.257	ug/l	95
93) 1,2,4-Trichlorobenzene	15.388	180	34915	17.998	ug/l	99
94) Hexachlorobutadiene	15.500	225	15170	18.414	ug/l	98
95) Naphthalene	15.641	128	121172	20.531	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	33986	18.331	ug/l	99

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

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