

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122324\
 Data File : VN085290.D
 Acq On : 23 Dec 2024 13:29
 Operator : JC\MD
 Sample : VN1223WBS02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1223WBS02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/26/2024
 Supervised By : Mahesh Dadoda 12/26/2024

Quant Time: Dec 24 04:07:55 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121824W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 19 06:31:00 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	188847	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	320551	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	275426	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	129719	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	148175	44.891	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	89.780%		
35) Dibromofluoromethane	8.159	113	109977	48.800	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.600%		
50) Toluene-d8	10.559	98	419960	50.985	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	101.960%		
62) 4-Bromofluorobenzene	12.847	95	135323	45.996	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	92.000%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	58963	19.599	ug/l	96
3) Chloromethane	2.360	50	57182	19.941	ug/l	100
4) Vinyl Chloride	2.518	62	57603	21.440	ug/l	96
5) Bromomethane	2.965	94	33376	18.937	ug/l	98
6) Chloroethane	3.124	64	34238	20.270	ug/l	98
7) Trichlorofluoromethane	3.501	101	81125	18.698	ug/l	99
8) Diethyl Ether	3.954	74	25143	18.450	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.371	101	47435	20.385	ug/l	95
10) Methyl Iodide	4.589	142	50933	19.197	ug/l #	94
11) Tert butyl alcohol	5.512	59	28833	62.885	ug/l #	85
12) 1,1-Dichloroethene	4.342	96	41252	19.138	ug/l	89
13) Acrolein	4.177	56	63502	120.265	ug/l	100
14) Allyl chloride	5.024	41	67258	18.018	ug/l	99
15) Acrylonitrile	5.712	53	97079	77.736	ug/l	98
16) Acetone	4.418	43	93406	81.982	ug/l #	88
17) Carbon Disulfide	4.712	76	130726	17.772	ug/l	99
18) Methyl Acetate	5.018	43	50915	15.785	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	129776	17.566	ug/l	94
20) Methylene Chloride	5.271	84	48594	19.498	ug/l	98
21) trans-1,2-Dichloroethene	5.783	96	43681	18.381	ug/l #	88
22) Diisopropyl ether	6.665	45	154225	19.367	ug/l	96
23) Vinyl Acetate	6.595	43	530549	86.221	ug/l	99
24) 1,1-Dichloroethane	6.559	63	89383	19.377	ug/l	99
25) 2-Butanone	7.477	43	129517	74.230	ug/l	96
26) 2,2-Dichloropropane	7.483	77	76460	17.900	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	51069	18.457	ug/l	99
28) Bromochloromethane	7.806	49	52307	22.484	ug/l	100
29) Tetrahydrofuran	7.836	42	84644	75.257	ug/l	99
30) Chloroform	7.959	83	85809	17.419	ug/l	100
31) Cyclohexane	8.247	56	82810	19.392	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	78172	17.804	ug/l	98
36) 1,1-Dichloropropene	8.365	75	63501	20.236	ug/l	99
37) Ethyl Acetate	7.553	43	55458	15.319	ug/l	98
38) Carbon Tetrachloride	8.359	117	68614	18.084	ug/l	97
39) Methylcyclohexane	9.594	83	66110	20.245	ug/l	89
40) Benzene	8.600	78	192862	19.755	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	31789	17.230	ug/l	95
42) 1,2-Dichloroethane	8.665	62	68577	18.442	ug/l	100
43) Isopropyl Acetate	8.683	43	96403	14.561	ug/l	98
44) Trichloroethene	9.347	130	44066	20.275	ug/l	100
45) 1,2-Dichloropropane	9.618	63	48275	19.972	ug/l	99
46) Dibromomethane	9.706	93	31619	18.324	ug/l	98
47) Bromodichloromethane	9.883	83	68387	18.498	ug/l	99
48) Methyl methacrylate	9.677	41	43875	16.166	ug/l	98
49) 1,4-Dioxane	9.688	88	12827	299.766	ug/l	96
51) 4-Methyl-2-Pentanone	10.441	43	270176	77.667	ug/l	99
52) Toluene	10.624	92	115723	19.714	ug/l	100
53) t-1,3-Dichloropropene	10.830	75	65798	18.259	ug/l	98
54) cis-1,3-Dichloropropene	10.306	75	74722	19.503	ug/l	92
55) 1,1,2-Trichloroethane	11.006	97	40329	18.348	ug/l	99
56) Ethyl methacrylate	10.871	69	59474	15.831	ug/l	98
57) 1,3-Dichloropropane	11.159	76	74343	19.217	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.153	63	136825	80.250	ug/l	97
59) 2-Hexanone	11.188	43	188068	75.843	ug/l	100
60) Dibromochloromethane	11.353	129	48137	18.479	ug/l	98
61) 1,2-Dibromoethane	11.465	107	40390	17.841	ug/l	100
64) Tetrachloroethene	11.100	164	39505	21.315	ug/l	95
65) Chlorobenzene	11.888	112	122354	19.763	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.953	131	42174	19.525	ug/l	98
67) Ethyl Benzene	11.959	91	209712	19.762	ug/l	98
68) m/p-Xylenes	12.065	106	160625	40.471	ug/l	99
69) o-Xylene	12.394	106	74155	19.878	ug/l	98
70) Styrene	12.406	104	126079	20.244	ug/l	97
71) Bromoform	12.576	173	29550	17.453	ug/l #	98
73) Isopropylbenzene	12.688	105	189553	20.257	ug/l	99
74) N-amyl acetate	12.488	43	77386	16.558	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.935	83	56121	16.832	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	56011m	18.114	ug/l	
77) Bromobenzene	12.976	156	45578	18.551	ug/l	97
78) n-propylbenzene	13.029	91	235109	20.487	ug/l	100
79) 2-Chlorotoluene	13.124	91	141206	19.379	ug/l	98
80) 1,3,5-Trimethylbenzene	13.171	105	161603	20.705	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.729	75	18263	15.683	ug/l	94
82) 4-Chlorotoluene	13.218	91	143530	19.466	ug/l	99
83) tert-Butylbenzene	13.435	119	133152	20.116	ug/l	96
84) 1,2,4-Trimethylbenzene	13.476	105	162165	20.326	ug/l	100
85) sec-Butylbenzene	13.612	105	191643	20.767	ug/l	100
86) p-Isopropyltoluene	13.723	119	157665	18.916	ug/l	98
87) 1,3-Dichlorobenzene	13.729	146	85893	18.984	ug/l	99
88) 1,4-Dichlorobenzene	13.806	146	87598	18.711	ug/l	99
89) n-Butylbenzene	14.053	91	139104	20.497	ug/l	99
90) Hexachloroethane	14.329	117	30896	18.225	ug/l	97
91) 1,2-Dichlorobenzene	14.100	146	80840	19.210	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.718	75	9437	14.759	ug/l	94
93) 1,2,4-Trichlorobenzene	15.388	180	38967	18.089	ug/l	97
94) Hexachlorobutadiene	15.494	225	20391	18.213	ug/l	95
95) Naphthalene	15.635	128	104278	14.617	ug/l	98
96) 1,2,3-Trichlorobenzene	15.835	180	38220	17.763	ug/l	99

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

