

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071124\
 Data File : VN082867.D
 Acq On : 11 Jul 2024 11:20
 Operator : JC\MD
 Sample : VN0711WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0711WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/12/2024
 Supervised By : Mahesh Dadoda 07/12/2024

Quant Time: Jul 12 01:03:08 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 08 13:46:04 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	152432	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	260840	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	232303	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	104710	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	110501	51.714	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	103.420%
35) Dibromofluoromethane	8.171	113	85622	51.156	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.320%
50) Toluene-d8	10.571	98	314750	50.914	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.820%
62) 4-Bromofluorobenzene	12.847	95	106836	48.111	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	=	96.220%

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.124	85	37372	18.937	ug/l 94
3) Chloromethane	2.359	50	31908	17.049	ug/l 94
4) Vinyl Chloride	2.512	62	35753	18.190	ug/l 98
5) Bromomethane	2.959	94	23325	16.459	ug/l 91
6) Chloroethane	3.118	64	22893	17.020	ug/l 99
7) Trichlorofluoromethane	3.495	101	48456	17.140	ug/l 94
8) Diethyl Ether	3.965	74	17233	17.811	ug/l 78
9) 1,1,2-Trichlorotrifluo...	4.371	101	28372	17.732	ug/l 96
10) Methyl Iodide	4.589	142	28584	17.425	ug/l 96
11) Tert butyl alcohol	5.530	59	31652	88.070	ug/l 99
12) 1,1-Dichloroethene	4.342	96	26116	16.783	ug/l 84
13) Acrolein	4.183	56	21725	83.727	ug/l 97
14) Allyl chloride	5.024	41	42635	17.573	ug/l 93
15) Acrylonitrile	5.718	53	73077	88.477	ug/l 99
16) Acetone	4.430	43	62032	82.456	ug/l # 89
17) Carbon Disulfide	4.712	76	71890	15.461	ug/l 96
18) Methyl Acetate	5.024	43	34005	17.082	ug/l # 90
19) Methyl tert-butyl Ether	5.794	73	98672	18.383	ug/l 97
20) Methylene Chloride	5.283	84	32039	17.635	ug/l # 82
21) trans-1,2-Dichloroethene	5.788	96	29655	17.588	ug/l 92
22) Diisopropyl ether	6.677	45	95476	18.810	ug/l # 94
23) Vinyl Acetate	6.606	43	373757	92.722	ug/l # 93
24) 1,1-Dichloroethane	6.565	63	57126	18.554	ug/l 98
25) 2-Butanone	7.482	43	101740	89.564	ug/l # 89
26) 2,2-Dichloropropane	7.488	77	53977	18.855	ug/l 99
27) cis-1,2-Dichloroethene	7.488	96	36675	18.579	ug/l 90
28) Bromochloromethane	7.812	49	25674	19.438	ug/l # 79
29) Tetrahydrofuran	7.841	42	64429	90.093	ug/l # 85
30) Chloroform	7.965	83	60616	18.558	ug/l 97
31) Cyclohexane	8.259	56	47411	16.971	ug/l 92
32) 1,1,1-Trichloroethane	8.171	97	57789	19.056	ug/l 96
36) 1,1-Dichloropropene	8.371	75	41469	17.970	ug/l 97
37) Ethyl Acetate	7.565	43	37778	16.080	ug/l # 94
38) Carbon Tetrachloride	8.365	117	50913	18.324	ug/l 98
39) Methylcyclohexane	9.600	83	41584	16.682	ug/l 93
40) Benzene	8.606	78	129763	18.281	ug/l 99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	21326	16.849	ug/l #	86
42) 1,2-Dichloroethane	8.671	62	47445	18.566	ug/l	97
43) Isopropyl Acetate	8.688	43	75712	15.015	ug/l #	95
44) Trichloroethene	9.353	130	31672	17.416	ug/l	96
45) 1,2-Dichloropropane	9.624	63	30728	18.542	ug/l	97
46) Dibromomethane	9.712	93	23748	18.394	ug/l	98
47) Bromodichloromethane	9.888	83	49117	18.412	ug/l	100
48) Methyl methacrylate	9.682	41	32275	17.520	ug/l #	87
49) 1,4-Dioxane	9.694	88	13306	327.161	ug/l	94
51) 4-Methyl-2-Pentanone	10.447	43	212095	91.061	ug/l	94
52) Toluene	10.629	92	82232	18.545	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	50105	18.232	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	53353	18.342	ug/l #	89
55) 1,1,2-Trichloroethane	11.018	97	30908	18.956	ug/l	99
56) Ethyl methacrylate	10.871	69	47721	18.812	ug/l	88
57) 1,3-Dichloropropane	11.165	76	53039	18.376	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	136478	104.847	ug/l	94
59) 2-Hexanone	11.194	43	158616	91.596	ug/l	93
60) Dibromochloromethane	11.359	129	38910	18.736	ug/l	97
61) 1,2-Dibromoethane	11.470	107	32074	18.523	ug/l	99
64) Tetrachloroethene	11.106	164	31581	18.222	ug/l	93
65) Chlorobenzene	11.894	112	90261	18.132	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.965	131	31993	18.069	ug/l	96
67) Ethyl Benzene	11.965	91	151532	18.112	ug/l	98
68) m/p-Xylenes	12.070	106	115244	36.486	ug/l	99
69) o-Xylene	12.400	106	56249	18.585	ug/l	95
70) Styrene	12.412	104	92319	18.461	ug/l	99
71) Bromoform	12.582	173	25228	18.117	ug/l #	99
73) Isopropylbenzene	12.694	105	141471	18.593	ug/l	99
74) N-amyl acetate	12.494	43	59211	18.814	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.941	83	40779	17.895	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	39650m	21.964	ug/l	
77) Bromobenzene	12.982	156	36078	18.380	ug/l	90
78) n-propylbenzene	13.035	91	159577	18.241	ug/l	98
79) 2-Chlorotoluene	13.123	91	102228	18.340	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	115345	18.754	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	18043	19.657	ug/l	91
82) 4-Chlorotoluene	13.223	91	101451	18.388	ug/l	100
83) tert-Butylbenzene	13.441	119	100069	18.353	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	117260	18.706	ug/l	99
85) sec-Butylbenzene	13.617	105	132725	18.013	ug/l	100
86) p-Isopropyltoluene	13.729	119	109047	17.738	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	62392	17.595	ug/l	99
88) 1,4-Dichlorobenzene	13.811	146	62369	17.007	ug/l	98
89) n-Butylbenzene	14.059	91	90902	17.260	ug/l	99
90) Hexachloroethane	14.335	117	22438	17.250	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	61945	17.992	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	9245	17.537	ug/l	91
93) 1,2,4-Trichlorobenzene	15.394	180	31630	17.056	ug/l	100
94) Hexachlorobutadiene	15.500	225	13103	15.938	ug/l	99
95) Naphthalene	15.641	128	110680	17.425	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	32296	16.937	ug/l	96

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

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