

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062824\
 Data File : VN082745.D
 Acq On : 28 Jun 2024 12:19
 Operator : JC\MD
 Sample : VN0628WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0628WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/01/2024
 Supervised By : Mahesh Dadoda 07/01/2024

Quant Time: Jun 28 23:03:42 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062724W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 28 06:02:21 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	104337	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	185044	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	168896	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	76383	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	82806	51.463	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.920%			
35) Dibromofluoromethane	8.171	113	64798	53.186	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.380%			
50) Toluene-d8	10.570	98	238633	52.375	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.740%			
62) 4-Bromofluorobenzene	12.853	95	79470	50.789	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 101.580%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	31763	19.942	ug/l	95
3) Chloromethane	2.359	50	31236	18.737	ug/l	98
4) Vinyl Chloride	2.512	62	33074	18.723	ug/l	97
5) Bromomethane	2.959	94	21805	17.350	ug/l	93
6) Chloroethane	3.124	64	23364	18.752	ug/l	95
7) Trichlorofluoromethane	3.494	101	37278	17.025	ug/l	99
8) Diethyl Ether	3.959	74	11990	17.508	ug/l	87
9) 1,1,2-Trichlorotrifluo...	4.377	101	22105	17.695	ug/l	96
10) Methyl Iodide	4.594	142	22197	19.379	ug/l	98
11) Tert butyl alcohol	5.524	59	22818	88.782	ug/l #	83
12) 1,1-Dichloroethene	4.341	96	20629	17.703	ug/l	81
13) Acrolein	4.189	56	15636	100.007	ug/l	99
14) Allyl chloride	5.024	41	35009	19.996	ug/l	96
15) Acrylonitrile	5.718	53	61833	90.444	ug/l	99
16) Acetone	4.424	43	47712	78.265	ug/l	92
17) Carbon Disulfide	4.718	76	67923	17.797	ug/l	97
18) Methyl Acetate	5.030	43	29222	18.031	ug/l	93
19) Methyl tert-butyl Ether	5.800	73	72652	18.804	ug/l	100
20) Methylene Chloride	5.283	84	27149	17.599	ug/l	85
21) trans-1,2-Dichloroethene	5.788	96	23820	18.943	ug/l	92
22) Diisopropyl ether	6.671	45	80212	19.692	ug/l	96
23) Vinyl Acetate	6.606	43	313305	96.335	ug/l	97
24) 1,1-Dichloroethane	6.571	63	46728	18.896	ug/l	97
25) 2-Butanone	7.488	43	82339	88.406	ug/l #	90
26) 2,2-Dichloropropane	7.494	77	38893	24.514	ug/l	98
27) cis-1,2-Dichloroethene	7.488	96	27499	18.587	ug/l	94
28) Bromochloromethane	7.812	49	22527	20.827	ug/l #	21
29) Tetrahydrofuran	7.841	42	54826	91.289	ug/l	90
30) Chloroform	7.971	83	48220	18.290	ug/l	94
31) Cyclohexane	8.259	56	41936	18.498	ug/l	91
32) 1,1,1-Trichloroethane	8.165	97	44447	19.095	ug/l	97
36) 1,1-Dichloropropene	8.371	75	32577	18.603	ug/l	97
37) Ethyl Acetate	7.565	43	34758	18.365	ug/l	98
38) Carbon Tetrachloride	8.359	117	37905	18.507	ug/l	96
39) Methylcyclohexane	9.606	83	35106	19.309	ug/l	96
40) Benzene	8.606	78	105387	18.345	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	18483	18.939	ug/l	94
42) 1,2-Dichloroethane	8.671	62	38897	18.856	ug/l	100
43) Isopropyl Acetate	8.688	43	60756	18.454	ug/l	94
44) Trichloroethene	9.353	130	23978	17.978	ug/l	94
45) 1,2-Dichloropropane	9.623	63	26795	19.245	ug/l	99
46) Dibromomethane	9.706	93	18871	18.556	ug/l	99
47) Bromodichloromethane	9.888	83	39914	19.261	ug/l #	94
48) Methyl methacrylate	9.682	41	27655	18.987	ug/l	92
49) 1,4-Dioxane	9.694	88	10648	366.309	ug/l	96
51) 4-Methyl-2-Pentanone	10.447	43	179124	92.530	ug/l	95
52) Toluene	10.635	92	66354	19.670	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	38923	19.859	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	41165	19.978	ug/l	89
55) 1,1,2-Trichloroethane	11.018	97	25223	19.283	ug/l	88
56) Ethyl methacrylate	10.876	69	37527	19.076	ug/l	89
57) 1,3-Dichloropropane	11.165	76	43277	18.823	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	99205	100.095	ug/l	99
59) 2-Hexanone	11.200	43	132123	92.047	ug/l	95
60) Dibromochloromethane	11.359	129	30279	19.087	ug/l	96
61) 1,2-Dibromoethane	11.470	107	24621	17.915	ug/l	97
64) Tetrachloroethene	11.106	164	24069	19.024	ug/l	94
65) Chlorobenzene	11.894	112	69897	18.449	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.965	131	25197	19.137	ug/l	98
67) Ethyl Benzene	11.965	91	118053	18.881	ug/l	97
68) m/p-Xylenes	12.076	106	90672	38.974	ug/l	97
69) o-Xylene	12.400	106	43305	19.314	ug/l	94
70) Styrene	12.412	104	72867	19.143	ug/l	98
71) Bromoform	12.582	173	18841	18.298	ug/l #	99
73) Isopropylbenzene	12.700	105	107978	19.383	ug/l	98
74) N-amyl acetate	12.494	43	48024	19.315	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.941	83	34806	17.808	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	31813m	19.094	ug/l	
77) Bromobenzene	12.982	156	27271	19.699	ug/l	97
78) n-propylbenzene	13.035	91	130586	19.853	ug/l	99
79) 2-Chlorotoluene	13.123	91	79478	19.280	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	90782	19.838	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	12792m	20.023	ug/l	
82) 4-Chlorotoluene	13.223	91	79404	19.520	ug/l	97
83) tert-Butylbenzene	13.441	119	76455	19.853	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	93234	20.613	ug/l	99
85) sec-Butylbenzene	13.617	105	106763	19.785	ug/l	100
86) p-Isopropyltoluene	13.729	119	86981	20.119	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	48852	18.428	ug/l	99
88) 1,4-Dichlorobenzene	13.811	146	50131	18.169	ug/l	99
89) n-Butylbenzene	14.059	91	73466	19.190	ug/l	98
90) Hexachloroethane	14.335	117	18311	19.075	ug/l	93
91) 1,2-Dichlorobenzene	14.106	146	48024	19.075	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	6697	18.187	ug/l	92
93) 1,2,4-Trichlorobenzene	15.394	180	23614	19.213	ug/l	99
94) Hexachlorobutadiene	15.505	225	10553	18.982	ug/l	95
95) Naphthalene	15.641	128	76267	18.683	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	24844	18.955	ug/l	95

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

