

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032723\
 Data File : VN077208.D
 Acq On : 27 Mar 2023 18:15
 Operator : JC\MD
 Sample : VN0327WBSD02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0327WBSD02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/28/2023
 Supervised By : Semsettin Yesilyurt 03/28/2023

Quant Time: Mar 28 07:29:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N032523W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 27 02:47:06 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.231	168	413258	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	727386	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	656636	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	282545	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	326824	50.580	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	101.160%
35) Dibromofluoromethane	8.172	113	240471	48.721	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.440%
50) Toluene-d8	10.572	98	921249	49.813	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.620%
62) 4-Bromofluorobenzene	12.854	95	299644	49.367	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.740%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.143	85	78961	18.317	ug/l	99
3) Chloromethane	2.378	50	115404	19.082	ug/l	100
4) Vinyl Chloride	2.531	62	141458	20.709	ug/l	98
5) Bromomethane	2.966	94	96585	17.714	ug/l	96
6) Chloroethane	3.131	64	123121	20.790	ug/l	90
7) Trichlorofluoromethane	3.513	101	176771	16.877	ug/l	95
8) Diethyl Ether	3.978	74	58900	17.084	ug/l	61
9) 1,1,2-Trichlorotrifluo...	4.378	101	85897	19.160	ug/l	98
10) Methyl Iodide	4.601	142	94191	18.622	ug/l	98
11) Tert butyl alcohol	5.525	59	83014	94.267	ug/l	100
12) 1,1-Dichloroethene	4.354	96	79072	18.544	ug/l	87
13) Acrolein	4.190	56	122161	98.904	ug/l	98
14) Allyl chloride	5.037	41	141343	17.644	ug/l #	85
15) Acrylonitrile	5.725	53	265501	96.708	ug/l	98
16) Acetone	4.443	43	246473	102.589	ug/l #	85
17) Carbon Disulfide	4.725	76	223061	18.695	ug/l	98
18) Methyl Acetate	5.037	43	183047	19.044	ug/l #	82
19) Methyl tert-butyl Ether	5.807	73	301262	19.875	ug/l	98
20) Methylene Chloride	5.290	84	103004	19.253	ug/l #	77
21) trans-1,2-Dichloroethene	5.795	96	85922	18.362	ug/l	85
22) Diisopropyl ether	6.678	45	339781	19.678	ug/l #	88
23) Vinyl Acetate	6.613	43	1081441	97.057	ug/l #	87
24) 1,1-Dichloroethane	6.578	63	184444	19.106	ug/l	95
25) 2-Butanone	7.489	43	372974	99.286	ug/l #	76
26) 2,2-Dichloropropane	7.501	77	132679	19.930	ug/l	97
27) cis-1,2-Dichloroethene	7.489	96	101868	18.872	ug/l	81
28) Bromochloromethane	7.825	49	86274	17.525	ug/l #	71
29) Tetrahydrofuran	7.848	42	248462	99.842	ug/l #	72
30) Chloroform	7.972	83	182517	19.195	ug/l	98
31) Cyclohexane	8.260	56	176300	19.641	ug/l	84
32) 1,1,1-Trichloroethane	8.178	97	153121	18.757	ug/l	93
36) 1,1-Dichloropropene	8.378	75	129345	18.829	ug/l	95
37) Ethyl Acetate	7.572	43	147442	19.256	ug/l #	87
38) Carbon Tetrachloride	8.366	117	130426	18.726	ug/l	94
39) Methylcyclohexane	9.607	83	156164	19.464	ug/l #	82
40) Benzene	8.613	78	397623	18.887	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.784	41	82782	19.781	ug/l #	80
42) 1,2-Dichloroethane	8.678	62	152321	19.189	ug/l	94
43) Isopropyl Acetate	8.695	43	232997	18.862	ug/l #	87
44) Trichloroethene	9.360	130	89961	18.650	ug/l	94
45) 1,2-Dichloropropane	9.625	63	103376	18.463	ug/l	98
46) Dibromomethane	9.713	93	68400	18.692	ug/l	95
47) Bromodichloromethane	9.889	83	137812	18.935	ug/l	98
48) Methyl methacrylate	9.683	41	112491	18.911	ug/l #	78
49) 1,4-Dioxane	9.695	88	39241	386.955	ug/l #	77
51) 4-Methyl-2-Pentanone	10.448	43	749077	96.377	ug/l #	85
52) Toluene	10.630	92	243795	18.988	ug/l	99
53) t-1,3-Dichloropropene	10.842	75	144743	19.599	ug/l	94
54) cis-1,3-Dichloropropene	10.319	75	154451	19.109	ug/l #	85
55) 1,1,2-Trichloroethane	11.019	97	96943	19.234	ug/l	97
56) Ethyl methacrylate	10.877	69	140128	18.834	ug/l #	66
57) 1,3-Dichloropropane	11.166	76	172541	19.203	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.166	63	264303	91.066	ug/l	90
59) 2-Hexanone	11.201	43	530042	94.891	ug/l	83
60) Dibromochloromethane	11.366	129	100670	19.443	ug/l	96
61) 1,2-Dibromoethane	11.472	107	93773	18.721	ug/l	98
64) Tetrachloroethene	11.101	164	79423	19.499	ug/l	92
65) Chlorobenzene	11.895	112	255146	19.285	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.966	131	93114	19.265	ug/l	99
67) Ethyl Benzene	11.966	91	454164	18.870	ug/l	97
68) m/p-Xylenes	12.071	106	349464	38.175	ug/l	96
69) o-Xylene	12.401	106	170977	19.287	ug/l	93
70) Styrene	12.413	104	270974	18.924	ug/l	95
71) Bromoform	12.583	173	65098	18.183	ug/l #	99
73) Isopropylbenzene	12.701	105	431557	19.413	ug/l	97
74) N-amyl acetate	12.495	43	190612	19.677	ug/l #	81
75) 1,1,2,2-Tetrachloroethane	12.942	83	142995	19.257	ug/l	96
76) 1,2,3-Trichloropropane	12.995	75	129774m	22.642	ug/l	
77) Bromobenzene	12.983	156	99245	19.392	ug/l	90
78) n-propylbenzene	13.042	91	503402	19.635	ug/l	98
79) 2-Chlorotoluene	13.124	91	309621	19.639	ug/l	94
80) 1,3,5-Trimethylbenzene	13.177	105	365099	19.721	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.742	75	40347	20.288	ug/l #	76
82) 4-Chlorotoluene	13.224	91	293978	19.645	ug/l	97
83) tert-Butylbenzene	13.442	119	307664	19.650	ug/l	93
84) 1,2,4-Trimethylbenzene	13.483	105	362188	19.908	ug/l	97
85) sec-Butylbenzene	13.618	105	435072	19.482	ug/l	97
86) p-Isopropyltoluene	13.736	119	356046	19.907	ug/l	96
87) 1,3-Dichlorobenzene	13.736	146	181469	19.646	ug/l	100
88) 1,4-Dichlorobenzene	13.818	146	177626	19.226	ug/l	98
89) n-Butylbenzene	14.060	91	282788	19.285	ug/l	96
90) Hexachloroethane	14.336	117	65431	19.631	ug/l	92
91) 1,2-Dichlorobenzene	14.107	146	177210	19.234	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.724	75	24945	18.985	ug/l	84
93) 1,2,4-Trichlorobenzene	15.401	180	69442	18.499	ug/l	97
94) Hexachlorobutadiene	15.507	225	46205	19.770	ug/l	99
95) Naphthalene	15.648	128	220816	18.775	ug/l	100
96) 1,2,3-Trichlorobenzene	15.842	180	71008	19.223	ug/l	98

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

