

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040124\
 Data File : VN081640.D
 Acq On : 01 Apr 2024 11:35
 Operator : JC\MD
 Sample : VN0401WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0401WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/02/2024
 Supervised By : Mahesh Dadoda 04/02/2024

Quant Time: Apr 02 01:11:55 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031824W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 06:00:00 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	304083	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	523249	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	498433	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	231072	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	212781	54.871	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.740%			
35) Dibromofluoromethane	8.165	113	181976	55.107	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.220%			
50) Toluene-d8	10.571	98	638114	53.456	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.920%			
62) 4-Bromofluorobenzene	12.847	95	230664	54.839	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 109.680%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	69881	17.067	ug/l	92
3) Chloromethane	2.365	50	68882	16.897	ug/l	94
4) Vinyl Chloride	2.518	62	80358	17.564	ug/l	93
5) Bromomethane	2.971	94	56232	17.379	ug/l	98
6) Chloroethane	3.124	64	53302	16.968	ug/l	96
7) Trichlorofluoromethane	3.500	101	130258	19.104	ug/l	94
8) Diethyl Ether	3.953	74	43939	19.472	ug/l	79
9) 1,1,2-Trichlorotrifluo...	4.371	101	76292	19.692	ug/l #	90
10) Methyl Iodide	4.589	142	73940	19.164	ug/l	99
11) Tert butyl alcohol	5.512	59	60535	89.577	ug/l	99
12) 1,1-Dichloroethene	4.342	96	65169	18.160	ug/l	81
13) Acrolein	4.177	56	50572	83.397	ug/l	100
14) Allyl chloride	5.024	41	82591	18.366	ug/l #	88
15) Acrylonitrile	5.718	53	181046	100.141	ug/l	99
16) Acetone	4.424	43	122254	97.551	ug/l	96
17) Carbon Disulfide	4.712	76	159699	15.507	ug/l	99
18) Methyl Acetate	5.024	43	92554	23.955	ug/l #	87
19) Methyl tert-butyl Ether	5.794	73	234019	20.837	ug/l	92
20) Methylene Chloride	5.271	84	85548	20.839	ug/l #	82
21) trans-1,2-Dichloroethene	5.789	96	77411	19.346	ug/l	91
22) Diisopropyl ether	6.671	45	217662	20.832	ug/l #	91
23) Vinyl Acetate	6.600	43	794917	95.580	ug/l #	89
24) 1,1-Dichloroethane	6.565	63	137752	19.684	ug/l	95
25) 2-Butanone	7.483	43	209009	97.234	ug/l	92
26) 2,2-Dichloropropane	7.488	77	127112	20.942	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	93011	20.545	ug/l	83
28) Bromochloromethane	7.812	49	68578	24.059	ug/l #	55
29) Tetrahydrofuran	7.841	42	136641	94.360	ug/l #	75
30) Chloroform	7.965	83	160206	21.384	ug/l	95
31) Cyclohexane	8.259	56	105893	16.781	ug/l #	72
32) 1,1,1-Trichloroethane	8.171	97	142566	20.975	ug/l #	89
36) 1,1-Dichloropropene	8.365	75	102243	18.398	ug/l	95
37) Ethyl Acetate	7.559	43	90540	19.026	ug/l	98
38) Carbon Tetrachloride	8.365	117	122771	20.167	ug/l	99
39) Methylcyclohexane	9.600	83	113301	18.257	ug/l #	86
40) Benzene	8.606	78	327471	20.156	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	45895	18.237	ug/l #	86
42) 1,2-Dichloroethane	8.671	62	115405	20.184	ug/l	97
43) Isopropyl Acetate	8.688	43	154509	19.588	ug/l #	93
44) Trichloroethene	9.353	130	90741	19.858	ug/l	94
45) 1,2-Dichloropropane	9.618	63	82196	20.875	ug/l	93
46) Dibromomethane	9.712	93	63575	21.261	ug/l #	89
47) Bromodichloromethane	9.888	83	125298	21.432	ug/l #	96
48) Methyl methacrylate	9.682	41	70658	19.421	ug/l #	86
49) 1,4-Dioxane	9.694	88	32695	373.942	ug/l #	77
51) 4-Methyl-2-Pentanone	10.447	43	476392	98.976	ug/l	92
52) Toluene	10.629	92	213216	20.647	ug/l	96
53) t-1,3-Dichloropropene	10.835	75	126310	20.008	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	135552	20.027	ug/l #	82
55) 1,1,2-Trichloroethane	11.018	97	91515	22.021	ug/l	91
56) Ethyl methacrylate	10.876	69	115150	20.161	ug/l #	80
57) 1,3-Dichloropropane	11.165	76	145192	21.312	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	280962	107.444	ug/l #	84
59) 2-Hexanone	11.194	43	349963	98.343	ug/l	93
60) Dibromochloromethane	11.365	129	99060	21.674	ug/l	99
61) 1,2-Dibromoethane	11.470	107	90796	21.430	ug/l	98
64) Tetrachloroethene	11.106	164	93376	19.599	ug/l	89
65) Chlorobenzene	11.894	112	226703	19.240	ug/l	91
66) 1,1,1,2-Tetrachloroethane	11.959	131	90915	20.818	ug/l	97
67) Ethyl Benzene	11.965	91	383715	18.747	ug/l	96
68) m/p-Xylenes	12.070	106	308441	40.198	ug/l	92
69) o-Xylene	12.400	106	149944	19.905	ug/l	89
70) Styrene	12.412	104	246138	20.260	ug/l	96
71) Bromoform	12.576	173	64520	19.661	ug/l #	97
73) Isopropylbenzene	12.700	105	384050	19.498	ug/l	97
74) N-amyl acetate	12.494	43	126138	17.696	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	12.941	83	111807	19.307	ug/l	97
76) 1,2,3-Trichloropropane	12.994	75	107040m	19.366	ug/l	
77) Bromobenzene	12.982	156	95943	19.718	ug/l	71
78) n-propylbenzene	13.035	91	456625	19.631	ug/l	96
79) 2-Chlorotoluene	13.129	91	273464	19.643	ug/l	92
80) 1,3,5-Trimethylbenzene	13.176	105	330424	20.311	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.741	75	36949	18.064	ug/l #	81
82) 4-Chlorotoluene	13.223	91	276910	20.174	ug/l	93
83) tert-Butylbenzene	13.441	119	270458	19.279	ug/l	93
84) 1,2,4-Trimethylbenzene	13.482	105	329227	20.135	ug/l	97
85) sec-Butylbenzene	13.617	105	399047	19.898	ug/l	93
86) p-Isopropyltoluene	13.729	119	328903	20.063	ug/l	96
87) 1,3-Dichlorobenzene	13.735	146	181167	20.265	ug/l	94
88) 1,4-Dichlorobenzene	13.812	146	178264	19.258	ug/l	98
89) n-Butylbenzene	14.059	91	271767	18.695	ug/l	96
90) Hexachloroethane	14.335	117	63521	20.459	ug/l	97
91) 1,2-Dichlorobenzene	14.106	146	169929	19.749	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.723	75	23685	19.218	ug/l	76
93) 1,2,4-Trichlorobenzene	15.394	180	92229	18.538	ug/l	100
94) Hexachlorobutadiene	15.506	225	38076	17.443	ug/l	98
95) Naphthalene	15.641	128	289635	17.966	ug/l	98
96) 1,2,3-Trichlorobenzene	15.841	180	91194	18.223	ug/l	98

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

