

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032824\
 Data File : VN081599.D
 Acq On : 28 Mar 2024 12:08
 Operator : JC\MD
 Sample : VN0328WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0328WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/29/2024
 Supervised By : Mahesh Dadoda 03/29/2024

Quant Time: Mar 29 02:45:10 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	8.224	168	320661	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	559071	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	512805	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	246714	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	222778	54.478	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 108.960%	
35) Dibromofluoromethane	8.171	113	195892	55.520	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 111.040%	
50) Toluene-d8	10.571	98	682382	53.502	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 107.000%	
62) 4-Bromofluorobenzene	12.847	95	239430	53.276	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 106.560%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	71013	16.447	ug/l	96
3) Chloromethane	2.359	50	73557	17.111	ug/l	97
4) Vinyl Chloride	2.518	62	83465	17.300	ug/l	93
5) Bromomethane	2.959	94	66071	19.365	ug/l	97
6) Chloroethane	3.124	64	60531	18.273	ug/l	98
7) Trichlorofluoromethane	3.500	101	134762	18.742	ug/l	96
8) Diethyl Ether	3.953	74	45064	18.938	ug/l	83
9) 1,1,2-Trichlorotrifluo...	4.371	101	76878	18.817	ug/l	90
10) Methyl Iodide	4.594	142	75429	18.540	ug/l	93
11) Tert butyl alcohol	5.518	59	63840	89.584	ug/l	99
12) 1,1-Dichloroethene	4.347	96	67168	17.749	ug/l	# 75
13) Acrolein	4.183	56	52232	81.681	ug/l	97
14) Allyl chloride	5.018	41	85783	18.090	ug/l	# 92
15) Acrylonitrile	5.724	53	180032	94.432	ug/l	96
16) Acetone	4.430	43	121890	92.232	ug/l	97
17) Carbon Disulfide	4.718	76	168113	15.480	ug/l	99
18) Methyl Acetate	5.018	43	89430	21.950	ug/l	# 87
19) Methyl tert-butyl Ether	5.794	73	230853	19.492	ug/l	94
20) Methylene Chloride	5.277	84	83836	19.366	ug/l	# 84
21) trans-1,2-Dichloroethene	5.783	96	77049	18.260	ug/l	88
22) Diisopropyl ether	6.665	45	223531	20.288	ug/l	# 92
23) Vinyl Acetate	6.606	43	829650	94.599	ug/l	# 92
24) 1,1-Dichloroethane	6.565	63	140875	19.089	ug/l	# 93
25) 2-Butanone	7.483	43	213303	94.101	ug/l	# 83
26) 2,2-Dichloropropane	7.488	77	128123	20.017	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	92131	19.298	ug/l	84
28) Bromochloromethane	7.812	49	66221	22.031	ug/l	# 52
29) Tetrahydrofuran	7.841	42	137840	90.267	ug/l	# 76
30) Chloroform	7.965	83	159265	20.160	ug/l	98
31) Cyclohexane	8.259	56	114561	17.216	ug/l	# 72
32) 1,1,1-Trichloroethane	8.171	97	143121	19.968	ug/l	# 87
36) 1,1-Dichloropropene	8.371	75	105860	17.828	ug/l	96
37) Ethyl Acetate	7.559	43	87987	17.305	ug/l	# 94
38) Carbon Tetrachloride	8.365	117	123189	18.939	ug/l	97
39) Methylcyclohexane	9.600	83	112139	16.912	ug/l	# 86
40) Benzene	8.612	78	329583	18.986	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	49615	18.452	ug/l #	89
42) 1,2-Dichloroethane	8.671	62	116100	19.004	ug/l	97
43) Isopropyl Acetate	8.688	43	167544	19.879	ug/l #	96
44) Trichloroethene	9.353	130	90668	18.571	ug/l	92
45) 1,2-Dichloropropane	9.624	63	82719	19.662	ug/l	95
46) Dibromomethane	9.712	93	62526	19.570	ug/l #	87
47) Bromodichloromethane	9.888	83	127554	20.420	ug/l #	92
48) Methyl methacrylate	9.677	41	71416	18.371	ug/l #	83
49) 1,4-Dioxane	9.694	88	33996	363.908	ug/l #	73
51) 4-Methyl-2-Pentanone	10.447	43	477561	92.861	ug/l	91
52) Toluene	10.629	92	212598	19.268	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	127867	18.957	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	137630	19.031	ug/l	88
55) 1,1,2-Trichloroethane	11.018	97	89820	20.228	ug/l	95
56) Ethyl methacrylate	10.876	69	112624	18.566	ug/l #	83
57) 1,3-Dichloropropane	11.165	76	145680	20.013	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	313801	112.313	ug/l #	84
59) 2-Hexanone	11.200	43	346043	91.010	ug/l	91
60) Dibromochloromethane	11.359	129	96930	19.849	ug/l	97
61) 1,2-Dibromoethane	11.470	107	88773	19.610	ug/l	99
64) Tetrachloroethene	11.106	164	91732	18.714	ug/l	91
65) Chlorobenzene	11.894	112	226246	18.663	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	89505	19.921	ug/l	98
67) Ethyl Benzene	11.965	91	382234	18.151	ug/l	97
68) m/p-Xylenes	12.070	106	306407	38.814	ug/l	91
69) o-Xylene	12.400	106	146588	18.914	ug/l	94
70) Styrene	12.412	104	240880	19.271	ug/l	96
71) Bromoform	12.582	173	62682	18.565	ug/l #	93
73) Isopropylbenzene	12.694	105	376655	17.910	ug/l	96
74) N-amyl acetate	12.494	43	129291	16.988	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.935	83	116326	18.813	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	104986m	17.790	ug/l	
77) Bromobenzene	12.982	156	94221	18.137	ug/l	72
78) n-propylbenzene	13.035	91	445581	17.941	ug/l	95
79) 2-Chlorotoluene	13.129	91	274940	18.497	ug/l	94
80) 1,3,5-Trimethylbenzene	13.176	105	326573	18.801	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.735	75	37876	17.344	ug/l	92
82) 4-Chlorotoluene	13.223	91	274720	18.746	ug/l	94
83) tert-Butylbenzene	13.441	119	273245	18.242	ug/l	94
84) 1,2,4-Trimethylbenzene	13.482	105	325430	18.641	ug/l	95
85) sec-Butylbenzene	13.617	105	393150	18.361	ug/l	93
86) p-Isopropyltoluene	13.729	119	325546	18.599	ug/l	95
87) 1,3-Dichlorobenzene	13.735	146	183422	19.217	ug/l	94
88) 1,4-Dichlorobenzene	13.812	146	179951	18.208	ug/l	98
89) n-Butylbenzene	14.059	91	273872	17.645	ug/l	96
90) Hexachloroethane	14.335	117	60713	18.315	ug/l	92
91) 1,2-Dichlorobenzene	14.106	146	174026	18.943	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.723	75	24427	18.563	ug/l	78
93) 1,2,4-Trichlorobenzene	15.394	180	89702	16.887	ug/l	97
94) Hexachlorobutadiene	15.506	225	40039	17.179	ug/l	97
95) Naphthalene	15.641	128	294064	17.085	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	93828	17.561	ug/l	99

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

