

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082724\
 Data File : VN083522.D
 Acq On : 27 Aug 2024 20:20
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/28/2024
 Supervised By : Mahesh Dadoda 08/28/2024

Quant Time: Aug 28 01:53:50 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 06:30:41 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	129767	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.100	114	232416	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	204125	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	111511	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	108479	58.730	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 117.460%	
35) Dibromofluoromethane	8.171	113	80869	55.745	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 111.500%	
50) Toluene-d8	10.565	98	286395	52.924	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 105.840%	
62) 4-Bromofluorobenzene	12.847	95	117240	55.572	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 111.140%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	70209	47.710	ug/l	97
3) Chloromethane	2.359	50	82374	54.676	ug/l	98
4) Vinyl Chloride	2.512	62	89134	57.981	ug/l	99
5) Bromomethane	2.901	94	44887	47.056	ug/l	97
6) Chloroethane	3.059	64	60494	62.897	ug/l	99
7) Trichlorofluoromethane	3.459	101	157804	62.137	ug/l	99
8) Diethyl Ether	3.953	74	58382	61.779	ug/l	88
9) 1,1,2-Trichlorotrifluo...	4.348	101	85229	60.871	ug/l	98
10) Methyl Iodide	4.577	142	118269	64.213	ug/l	95
11) Tert butyl alcohol	5.547	59	126429	329.363	ug/l	99
12) 1,1-Dichloroethene	4.324	96	83392	57.972	ug/l	91
13) Acrolein	4.171	56	73520	293.871	ug/l	98
14) Allyl chloride	5.012	41	158658	58.365	ug/l	90
15) Acrylonitrile	5.718	53	258691	327.681	ug/l	99
16) Acetone	4.430	43	210773	291.623	ug/l	98
17) Carbon Disulfide	4.695	76	200891	47.728	ug/l	99
18) Methyl Acetate	5.024	43	142089	65.983	ug/l	94
19) Methyl tert-butyl Ether	5.795	73	335787	64.671	ug/l	96
20) Methylene Chloride	5.265	84	98953	59.489	ug/l	85
21) trans-1,2-Dichloroethene	5.777	96	86672	58.296	ug/l	95
22) Diisopropyl ether	6.671	45	338048	66.157	ug/l	98
23) Vinyl Acetate	6.600	43	1797056	343.115	ug/l	95
24) 1,1-Dichloroethane	6.565	63	185090	66.455	ug/l	100
25) 2-Butanone	7.483	43	354510	319.443	ug/l	94
26) 2,2-Dichloropropane	7.483	77	129402	50.029	ug/l	98
27) cis-1,2-Dichloroethene	7.483	96	110741	61.726	ug/l	94
28) Bromochloromethane	7.812	49	66348	58.290	ug/l	85
29) Tetrahydrofuran	7.841	42	234623	327.048	ug/l	88
30) Chloroform	7.965	83	194522	67.225	ug/l	94
31) Cyclohexane	8.253	56	148554	54.271	ug/l	94
32) 1,1,1-Trichloroethane	8.165	97	179697	65.608	ug/l	97
36) 1,1-Dichloropropene	8.371	75	128643	58.621	ug/l	99
37) Ethyl Acetate	7.559	43	146382	59.575	ug/l	# 94
38) Carbon Tetrachloride	8.359	117	155453	62.893	ug/l	99
39) Methylcyclohexane	9.600	83	146958	54.522	ug/l	96
40) Benzene	8.606	78	405691	62.056	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	83131	59.504	ug/l	96
42) 1,2-Dichloroethane	8.671	62	155971	65.494	ug/l	100
43) Isopropyl Acetate	8.688	43	352412	86.048	ug/l	93
44) Trichloroethene	9.353	130	92642	59.536	ug/l	93
45) 1,2-Dichloropropane	9.624	63	99480	64.106	ug/l	98
46) Dibromomethane	9.712	93	72289	65.082	ug/l	100
47) Bromodichloromethane	9.888	83	157122	63.000	ug/l	99
48) Methyl methacrylate	9.683	41	123811	60.949	ug/l	92
49) 1,4-Dioxane	9.700	88	46628	1272.305	ug/l #	78
51) 4-Methyl-2-Pentanone	10.447	43	753414	324.255	ug/l	95
52) Toluene	10.630	92	256766	62.162	ug/l	97
53) t-1,3-Dichloropropene	10.835	75	159257	62.165	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	162823	59.754	ug/l	91
55) 1,1,2-Trichloroethane	11.018	97	98238	66.364	ug/l	97
56) Ethyl methacrylate	10.877	69	175176	62.773	ug/l	90
57) 1,3-Dichloropropane	11.165	76	171094	64.845	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	339921	288.168	ug/l	97
59) 2-Hexanone	11.200	43	570589	317.423	ug/l	92
60) Dibromochloromethane	11.359	129	116809	65.266	ug/l	99
61) 1,2-Dibromoethane	11.471	107	98228	63.168	ug/l	96
64) Tetrachloroethene	11.106	164	80706	59.700	ug/l	97
65) Chlorobenzene	11.894	112	273042	60.529	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	97899	61.536	ug/l	99
67) Ethyl Benzene	11.965	91	501042	60.548	ug/l	99
68) m/p-Xylenes	12.071	106	372249	120.088	ug/l	97
69) o-Xylene	12.400	106	188199	61.558	ug/l	98
70) Styrene	12.412	104	315144	61.374	ug/l	98
71) Bromoform	12.576	173	77331	64.163	ug/l #	98
73) Isopropylbenzene	12.694	105	484843	51.982	ug/l	100
74) N-amyl acetate	12.494	43	239474	52.491	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.941	83	154121	58.423	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	139412m	56.964	ug/l	
77) Bromobenzene	12.982	156	109274	52.741	ug/l	95
78) n-propylbenzene	13.035	91	560089	52.150	ug/l	100
79) 2-Chlorotoluene	13.123	91	358847	52.701	ug/l	97
80) 1,3,5-Trimethylbenzene	13.171	105	412043	52.767	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	52432	46.602	ug/l	95
82) 4-Chlorotoluene	13.223	91	347142	50.826	ug/l	98
83) tert-Butylbenzene	13.441	119	364168	52.661	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	415815	52.839	ug/l	99
85) sec-Butylbenzene	13.618	105	494347	52.390	ug/l	99
86) p-Isopropyltoluene	13.729	119	408649	52.451	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	207710	53.278	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	208786	53.121	ug/l	97
89) n-Butylbenzene	14.059	91	348381	51.605	ug/l	99
90) Hexachloroethane	14.335	117	82556	54.847	ug/l	92
91) 1,2-Dichlorobenzene	14.106	146	215622	57.154	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	35896	56.075	ug/l	98
93) 1,2,4-Trichlorobenzene	15.394	180	111074	52.553	ug/l	99
94) Hexachlorobutadiene	15.500	225	45898	48.829	ug/l	97
95) Naphthalene	15.641	128	400700	53.521	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	111474	53.303	ug/l	98

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

