

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120224\
 Data File : VN085071.D
 Acq On : 02 Dec 2024 16:47
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/03/2024
 Supervised By : Mahesh Dadoda 12/03/2024

Quant Time: Dec 03 00:50:50 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 02:54:10 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	193378	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	307434	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	267541	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	130285	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	118795	43.127	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	86.260%
35) Dibromofluoromethane	8.159	113	98461	47.492	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.980%
50) Toluene-d8	10.559	98	338559	45.567	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	91.140%
62) 4-Bromofluorobenzene	12.847	95	132228	47.589	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	95.180%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	92917	42.493	ug/l	98
3) Chloromethane	2.354	50	87592	34.538	ug/l	96
4) Vinyl Chloride	2.512	62	92312	40.503	ug/l	99
5) Bromomethane	2.942	94	45975	35.990	ug/l	94
6) Chloroethane	3.106	64	59359	38.640	ug/l	94
7) Trichlorofluoromethane	3.489	101	171682	44.282	ug/l	98
8) Diethyl Ether	3.953	74	60309	45.703	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.365	101	100699	45.795	ug/l	98
10) Methyl Iodide	4.583	142	126114	43.328	ug/l	98
11) Tert butyl alcohol	5.600	59	55813	151.628	ug/l #	75
12) 1,1-Dichloroethene	4.336	96	89303	43.509	ug/l	99
13) Acrolein	4.177	56	72283	294.292	ug/l	96
14) Allyl chloride	5.018	41	146778	42.420	ug/l	99
15) Acrylonitrile	5.718	53	214741	206.061	ug/l	99
16) Acetone	4.430	43	209477	261.120	ug/l	98
17) Carbon Disulfide	4.706	76	202880	33.488	ug/l	97
18) Methyl Acetate	5.018	43	111827	43.463	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	315639	47.067	ug/l	99
20) Methylene Chloride	5.265	84	100717	41.143	ug/l	98
21) trans-1,2-Dichloroethene	5.783	96	90040	41.687	ug/l	93
22) Diisopropyl ether	6.665	45	321979	46.235	ug/l	98
23) Vinyl Acetate	6.594	43	1132924	235.814	ug/l	99
24) 1,1-Dichloroethane	6.559	63	187159	44.910	ug/l	99
25) 2-Butanone	7.477	43	279823	213.349	ug/l	99
26) 2,2-Dichloropropane	7.489	77	177365	45.579	ug/l	99
27) cis-1,2-Dichloroethene	7.477	96	114801	44.088	ug/l	100
28) Bromochloromethane	7.806	49	68217	43.364	ug/l	95
29) Tetrahydrofuran	7.836	42	162819	199.625	ug/l	98
30) Chloroform	7.959	83	197910	44.644	ug/l	95
31) Cyclohexane	8.253	56	145365	39.617	ug/l	96
32) 1,1,1-Trichloroethane	8.159	97	182831	45.640	ug/l	100
36) 1,1-Dichloropropene	8.365	75	127233	45.308	ug/l	99
37) Ethyl Acetate	7.559	43	107980	42.296	ug/l	99
38) Carbon Tetrachloride	8.359	117	158199	48.805	ug/l	94
39) Methylcyclohexane	9.594	83	143904	49.314	ug/l	97
40) Benzene	8.600	78	412112	46.400	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	68342	48.350	ug/l	97
42) 1,2-Dichloroethane	8.665	62	141914	46.705	ug/l	99
43) Isopropyl Acetate	8.683	43	246319m	46.450	ug/l	
44) Trichloroethene	9.347	130	97590	47.280	ug/l	94
45) 1,2-Dichloropropane	9.618	63	104097	47.585	ug/l	99
46) Dibromomethane	9.706	93	69651	45.821	ug/l	98
47) Bromodichloromethane	9.882	83	157872	49.003	ug/l	97
48) Methyl methacrylate	9.677	41	91520	46.379	ug/l	99
49) 1,4-Dioxane	9.706	88	25207	736.595	ug/l #	87
51) 4-Methyl-2-Pentanone	10.441	43	526954	217.560	ug/l	99
52) Toluene	10.629	92	252831	48.085	ug/l	98
53) t-1,3-Dichloropropene	10.829	75	154210	47.744	ug/l	98
54) cis-1,3-Dichloropropene	10.306	75	165037	48.164	ug/l	97
55) 1,1,2-Trichloroethane	11.012	97	94606	48.306	ug/l	96
56) Ethyl methacrylate	10.871	69	144354	50.441	ug/l	98
57) 1,3-Dichloropropane	11.159	76	163657	47.479	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.153	63	381441	271.720	ug/l	99
59) 2-Hexanone	11.194	43	373534	206.200	ug/l	100
60) Dibromochloromethane	11.353	129	115924	48.432	ug/l	99
61) 1,2-Dibromoethane	11.465	107	93744	46.251	ug/l	99
64) Tetrachloroethene	11.100	164	79559	44.132	ug/l	97
65) Chlorobenzene	11.888	112	268389	44.234	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	102976	48.203	ug/l	98
67) Ethyl Benzene	11.959	91	474373	48.190	ug/l	98
68) m/p-Xylenes	12.065	106	357615	95.422	ug/l	99
69) o-Xylene	12.394	106	172977	48.521	ug/l	99
70) Styrene	12.406	104	287047	48.418	ug/l	99
71) Bromoform	12.576	173	71481	45.077	ug/l #	99
73) Isopropylbenzene	12.694	105	451647	49.139	ug/l	98
74) N-amyl acetate	12.494	43	153060	40.413	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.935	83	118354	37.710	ug/l	100
76) 1,2,3-Trichloropropane	12.988	75	107319m	45.286	ug/l	
77) Bromobenzene	12.976	156	102404	41.402	ug/l	99
78) n-propylbenzene	13.029	91	509377	48.049	ug/l	100
79) 2-Chlorotoluene	13.123	91	310813	43.920	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	366659	47.541	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	43882	40.878	ug/l	96
82) 4-Chlorotoluene	13.218	91	303985	41.263	ug/l	99
83) tert-Butylbenzene	13.435	119	315850	47.597	ug/l	99
84) 1,2,4-Trimethylbenzene	13.476	105	364211	45.876	ug/l	99
85) sec-Butylbenzene	13.612	105	425728	47.491	ug/l	100
86) p-Isopropyltoluene	13.723	119	358079	48.389	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	186942	38.319	ug/l	98
88) 1,4-Dichlorobenzene	13.806	146	183573	36.872	ug/l	99
89) n-Butylbenzene	14.053	91	295980	43.009	ug/l	99
90) Hexachloroethane	14.329	117	69572	43.132	ug/l	100
91) 1,2-Dichlorobenzene	14.100	146	177589	37.988	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	22360	36.843	ug/l	97
93) 1,2,4-Trichlorobenzene	15.388	180	94460	37.193	ug/l	97
94) Hexachlorobutadiene	15.500	225	45306	38.653	ug/l	99
95) Naphthalene	15.635	128	277851	38.412	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	94569	39.025	ug/l	97

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

