

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111424\
 Data File : VN084846.D
 Acq On : 14 Nov 2024 12:50
 Operator : JC\MD
 Sample : VN1114WBS02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1114WBS02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/15/2024
 Supervised By : Mahesh Dadoda 11/15/2024

Quant Time: Nov 15 00:44:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:45:38 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	169550	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	270058	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	234639	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	118912	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	114124	46.603	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.200%
35) Dibromofluoromethane	8.159	113	92823	50.779	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.560%
50) Toluene-d8	10.565	98	330275	49.049	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.100%
62) 4-Bromofluorobenzene	12.847	95	124800	49.591	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	99.180%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	37847	19.418	ug/l	88
3) Chloromethane	2.359	50	41236	16.333	ug/l	99
4) Vinyl Chloride	2.512	62	45362	21.638	ug/l	99
5) Bromomethane	2.901	94	22816	20.541	ug/l	93
6) Chloroethane	3.083	64	28977	21.536	ug/l #	88
7) Trichlorofluoromethane	3.477	101	68652	19.880	ug/l	98
8) Diethyl Ether	3.959	74	24825	20.379	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.353	101	40451	20.730	ug/l	98
10) Methyl Iodide	4.577	142	54005	20.708	ug/l	90
11) Tert butyl alcohol	5.542	59	31647	97.904	ug/l	95
12) 1,1-Dichloroethene	4.330	96	36223	18.760	ug/l	99
13) Acrolein	4.171	56	31282	97.050	ug/l	97
14) Allyl chloride	5.012	41	55310	17.664	ug/l	97
15) Acrylonitrile	5.718	53	88439	94.508	ug/l	100
16) Acetone	4.424	43	73518	102.243	ug/l	98
17) Carbon Disulfide	4.700	76	102779	17.285	ug/l	97
18) Methyl Acetate	5.012	43	46160	15.075	ug/l	97
19) Methyl tert-butyl Ether	5.789	73	120830	20.417	ug/l	99
20) Methylene Chloride	5.271	84	41116	19.090	ug/l	85
21) trans-1,2-Dichloroethene	5.783	96	37615	18.972	ug/l	95
22) Diisopropyl ether	6.665	45	126019	20.254	ug/l	98
23) Vinyl Acetate	6.594	43	429740	100.156	ug/l	96
24) 1,1-Dichloroethane	6.559	63	75613	20.242	ug/l	97
25) 2-Butanone	7.477	43	112446	98.423	ug/l	99
26) 2,2-Dichloropropane	7.477	77	68163	20.965	ug/l	96
27) cis-1,2-Dichloroethene	7.477	96	46070	19.901	ug/l	97
28) Bromochloromethane	7.806	49	30543	20.523	ug/l	90
29) Tetrahydrofuran	7.836	42	71469	94.294	ug/l	93
30) Chloroform	7.959	83	76934	20.235	ug/l	98
31) Cyclohexane	8.253	56	64564	19.097	ug/l	91
32) 1,1,1-Trichloroethane	8.159	97	71181	20.569	ug/l	97
36) 1,1-Dichloropropene	8.365	75	52698	20.787	ug/l	99
37) Ethyl Acetate	7.559	43	47211	20.525	ug/l	100
38) Carbon Tetrachloride	8.359	117	62964	22.220	ug/l	93
39) Methylcyclohexane	9.600	83	58004	22.490	ug/l	98
40) Benzene	8.600	78	167429	20.565	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	28000	22.637	ug/l	96
42) 1,2-Dichloroethane	8.665	62	54596	20.706	ug/l	97
43) Isopropyl Acetate	8.683	43	84927	19.395	ug/l	98
44) Trichloroethene	9.347	130	39866	21.232	ug/l	98
45) 1,2-Dichloropropane	9.612	63	40081	20.986	ug/l	98
46) Dibromomethane	9.706	93	27289	20.249	ug/l	93
47) Bromodichloromethane	9.882	83	58232	20.499	ug/l #	93
48) Methyl methacrylate	9.682	41	36343	20.302	ug/l	95
49) 1,4-Dioxane	9.694	88	13692	431.621	ug/l	95
51) 4-Methyl-2-Pentanone	10.441	43	229499	104.664	ug/l	96
52) Toluene	10.629	92	102629	21.553	ug/l	99
53) t-1,3-Dichloropropene	10.829	75	60180	20.466	ug/l	98
54) cis-1,3-Dichloropropene	10.306	75	65098	20.917	ug/l	98
55) 1,1,2-Trichloroethane	11.012	97	38706	21.580	ug/l	97
56) Ethyl methacrylate	10.871	69	57910	22.321	ug/l	93
57) 1,3-Dichloropropane	11.159	76	66297	21.537	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	128541	105.881	ug/l	94
59) 2-Hexanone	11.194	43	172000	107.766	ug/l	97
60) Dibromochloromethane	11.353	129	44196	21.620	ug/l	98
61) 1,2-Dibromoethane	11.465	107	38793	21.120	ug/l	97
64) Tetrachloroethene	11.100	164	34670	22.214	ug/l	97
65) Chlorobenzene	11.888	112	110830	21.113	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.959	131	39460	21.612	ug/l	99
67) Ethyl Benzene	11.959	91	187829	21.436	ug/l	96
68) m/p-Xylenes	12.071	106	143326	43.206	ug/l	97
69) o-Xylene	12.394	106	69983	22.552	ug/l	99
70) Styrene	12.406	104	118961	21.975	ug/l	100
71) Bromoform	12.576	173	28661	20.861	ug/l #	96
73) Isopropylbenzene	12.694	105	177802	21.337	ug/l	100
74) N-ethyl acetate	12.494	43	68496	19.313	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.935	83	53689	19.302	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	50712m	21.335	ug/l	
77) Bromobenzene	12.976	156	45069	20.118	ug/l	93
78) n-propylbenzene	13.029	91	207174	21.216	ug/l	99
79) 2-Chlorotoluene	13.123	91	132760	20.807	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	155554	22.523	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	18639	18.603	ug/l	98
82) 4-Chlorotoluene	13.218	91	136736	20.363	ug/l	99
83) tert-Butylbenzene	13.435	119	128384	22.460	ug/l	97
84) 1,2,4-Trimethylbenzene	13.476	105	157459	22.089	ug/l	98
85) sec-Butylbenzene	13.612	105	176072	21.807	ug/l	100
86) p-Isopropyltoluene	13.723	119	150327	22.702	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	83871	19.184	ug/l	98
88) 1,4-Dichlorobenzene	13.806	146	84098	20.288	ug/l	100
89) n-Butylbenzene	14.053	91	126655	20.447	ug/l	98
90) Hexachloroethane	14.329	117	27627	18.708	ug/l	94
91) 1,2-Dichlorobenzene	14.106	146	81067	19.297	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.712	75	10170	18.048	ug/l	95
93) 1,2,4-Trichlorobenzene	15.388	180	42976	18.690	ug/l	99
94) Hexachlorobutadiene	15.500	225	20149	19.954	ug/l	99
95) Naphthalene	15.635	128	124633	18.108	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	41610	18.641	ug/l	97

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

