

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
 Data File : VN085331.D
 Acq On : 27 Dec 2024 17:30
 Operator : JC\MD
 Sample : VN1227WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1227WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/30/2024
 Supervised By : Mahesh Dadoda 12/30/2024

Quant Time: Dec 28 01:43:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
 Quant Title : SW846 8260
 QLast Update : Sat Dec 28 01:36:16 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	144320	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	258119	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	226359	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	101437	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	111665	54.248	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	108.500%
35) Dibromofluoromethane	8.165	113	81846	50.827	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.660%
50) Toluene-d8	10.565	98	306433	51.858	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.720%
62) 4-Bromofluorobenzene	12.847	95	102680	52.322	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	104.640%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	36940	18.926	ug/l	100
3) Chloromethane	2.359	50	40431	18.430	ug/l	96
4) Vinyl Chloride	2.512	62	43248	18.641	ug/l	97
5) Bromomethane	2.959	94	27990	18.447	ug/l	97
6) Chloroethane	3.124	64	28037	19.056	ug/l	90
7) Trichlorofluoromethane	3.501	101	56663	18.580	ug/l	95
8) Diethyl Ether	3.959	74	20596	20.396	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.371	101	31898	18.381	ug/l	98
10) Methyl Iodide	4.595	142	38836	19.339	ug/l	94
11) Tert butyl alcohol	5.518	59	31625	122.694	ug/l	100
12) 1,1-Dichloroethene	4.342	96	29765	18.559	ug/l	87
13) Acrolein	4.177	56	42286	105.226	ug/l	99
14) Allyl chloride	5.018	41	48941	19.067	ug/l	96
15) Acrylonitrile	5.712	53	86613	106.764	ug/l	99
16) Acetone	4.424	43	74365	109.867	ug/l	97
17) Carbon Disulfide	4.712	76	85742	17.574	ug/l	100
18) Methyl Acetate	5.024	43	45651	22.030	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	106310	20.394	ug/l	99
20) Methylene Chloride	5.271	84	34153	18.759	ug/l	92
21) trans-1,2-Dichloroethene	5.783	96	31142	18.589	ug/l	94
22) Diisopropyl ether	6.671	45	112873	20.407	ug/l	97
23) Vinyl Acetate	6.600	43	420622	105.120	ug/l	98
24) 1,1-Dichloroethane	6.565	63	63046	18.922	ug/l	99
25) 2-Butanone	7.483	43	120630	114.877	ug/l	100
26) 2,2-Dichloropropane	7.489	77	55298	18.943	ug/l	100
27) cis-1,2-Dichloroethene	7.489	96	38491	19.575	ug/l	97
28) Bromochloromethane	7.812	49	31497	20.342	ug/l #	99
29) Tetrahydrofuran	7.836	42	77549	114.648	ug/l	98
30) Chloroform	7.965	83	65160	19.116	ug/l	97
31) Cyclohexane	8.253	56	53985	17.744	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	55283	18.160	ug/l	99
36) 1,1-Dichloropropene	8.371	75	44914	19.050	ug/l	98
37) Ethyl Acetate	7.559	43	51502	21.977	ug/l	99
38) Carbon Tetrachloride	8.359	117	49612	19.305	ug/l	98
39) Methylcyclohexane	9.600	83	46006	18.807	ug/l	98
40) Benzene	8.600	78	139012	19.501	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	25169	20.971	ug/l	98
42) 1,2-Dichloroethane	8.671	62	50307	19.684	ug/l	99
43) Isopropyl Acetate	8.688	43	81902	21.225	ug/l	99
44) Trichloroethene	9.347	130	31187	18.479	ug/l	89
45) 1,2-Dichloropropane	9.618	63	36004	19.896	ug/l	95
46) Dibromomethane	9.712	93	24716	19.639	ug/l	99
47) Bromodichloromethane	9.888	83	52551	20.090	ug/l #	96
48) Methyl methacrylate	9.677	41	36782	21.968	ug/l	98
49) 1,4-Dioxane	9.694	88	13671	541.163	ug/l	99
51) 4-Methyl-2-Pentanone	10.441	43	248614	114.650	ug/l	100
52) Toluene	10.624	92	85029	20.033	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	51708	20.101	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	55748	20.042	ug/l	97
55) 1,1,2-Trichloroethane	11.012	97	32750	20.437	ug/l	96
56) Ethyl methacrylate	10.871	69	50141	21.484	ug/l	97
57) 1,3-Dichloropropane	11.159	76	57554	20.463	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	131176	116.170	ug/l	99
59) 2-Hexanone	11.194	43	176533	117.338	ug/l	100
60) Dibromochloromethane	11.359	129	36970	20.483	ug/l	99
61) 1,2-Dibromoethane	11.471	107	32084	20.237	ug/l	98
64) Tetrachloroethene	11.100	164	27124	18.911	ug/l	96
65) Chlorobenzene	11.888	112	91123	18.629	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	31726	19.325	ug/l	98
67) Ethyl Benzene	11.959	91	156061	19.184	ug/l	98
68) m/p-Xylenes	12.071	106	119809	40.244	ug/l	100
69) o-Xylene	12.394	106	56516	19.624	ug/l	98
70) Styrene	12.406	104	92662	19.853	ug/l	99
71) Bromoform	12.576	173	23369	20.552	ug/l #	99
73) Isopropylbenzene	12.694	105	142191	19.493	ug/l	100
74) N-amyl acetate	12.494	43	66923	21.434	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	47785	20.569	ug/l	98
76) 1,2,3-Trichloropropane	12.988	75	38489m	20.319	ug/l	
77) Bromobenzene	12.976	156	34066	18.850	ug/l	99
78) n-propylbenzene	13.035	91	168593	19.828	ug/l	100
79) 2-Chlorotoluene	13.123	91	104075	19.449	ug/l	99
80) 1,3,5-Trimethylbenzene	13.171	105	117966	19.994	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	15606	19.730	ug/l	87
82) 4-Chlorotoluene	13.218	91	105071	19.496	ug/l	99
83) tert-Butylbenzene	13.435	119	97764	19.128	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	117310	19.968	ug/l	98
85) sec-Butylbenzene	13.612	105	138962	19.588	ug/l	100
86) p-Isopropyltoluene	13.729	119	113227	18.647	ug/l	98
87) 1,3-Dichlorobenzene	13.729	146	61805	18.865	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	62145	18.466	ug/l	99
89) n-Butylbenzene	14.053	91	97095	18.690	ug/l	99
90) Hexachloroethane	14.329	117	22343	19.213	ug/l	98
91) 1,2-Dichlorobenzene	14.100	146	59449	19.049	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	9218	22.294	ug/l	93
93) 1,2,4-Trichlorobenzene	15.394	180	28607	18.366	ug/l	98
94) Hexachlorobutadiene	15.500	225	13450	17.379	ug/l	99
95) Naphthalene	15.641	128	92054	17.429	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	27454	17.641	ug/l	99

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

