

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050124\
 Data File : VN081961.D
 Acq On : 01 May 2024 17:02
 Operator : JC\MD
 Sample : P2306-03MSD
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4-20240429MSD

Quant Time: May 02 01:46:27 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042524W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 26 05:26:49 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 05/02/2024
 Supervised By :Semsettin Yesilyurt 05/02/2024

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	176452	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	351089	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	307660	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	127796	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	142878	47.977	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.960%		
35) Dibromofluoromethane	8.165	113	102311	48.400	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.800%		
50) Toluene-d8	10.571	98	436471	52.574	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	105.140%		
62) 4-Bromofluorobenzene	12.847	95	155075	47.253	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery =	94.500%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.124	85	118579	47.873	ug/l	100
3) Chloromethane	2.359	50	127033	49.161	ug/l	99
4) Vinyl Chloride	2.512	62	119972	51.290	ug/l	96
5) Bromomethane	2.953	94	53355	54.028	ug/l	92
6) Chloroethane	3.118	64	68351	57.816	ug/l #	89
7) Trichlorofluoromethane	3.495	101	170915	47.235	ug/l	95
8) Diethyl Ether	3.959	74	83605	54.393	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.371	101	112661	53.629	ug/l	93
10) Methyl Iodide	4.583	142	110523	60.068	ug/l	92
11) Tert butyl alcohol	5.518	59	123060	227.308	ug/l	100
12) 1,1-Dichloroethene	4.342	96	114192	53.432	ug/l	89
13) Acrolein	4.177	56	104483	247.314	ug/l	97
14) Allyl chloride	5.018	41	205836	45.533	ug/l	90
15) Acrylonitrile	5.718	53	343388	264.147	ug/l	98
16) Acetone	4.424	43	236778	269.293	ug/l	99
17) Carbon Disulfide	4.712	76	305595	47.575	ug/l	100
18) Methyl Acetate	5.024	43	153736	50.966	ug/l	93
19) Methyl tert-butyl Ether	5.800	73	417652	51.790	ug/l	91
20) Methylene Chloride	5.277	84	134523	52.710	ug/l #	87
21) trans-1,2-Dichloroethene	5.783	96	116306	49.913	ug/l #	82
22) Diisopropyl ether	6.671	45	465269	53.188	ug/l	95
23) Vinyl Acetate	6.606	43	1804396	253.868	ug/l #	93
24) 1,1-Dichloroethane	6.565	63	249385	54.773	ug/l	98
25) 2-Butanone	7.483	43	428536	253.532	ug/l	89
26) 2,2-Dichloropropane	7.494	77	186286	44.477	ug/l	100
27) cis-1,2-Dichloroethene	7.488	96	151019	55.463	ug/l	89
28) Bromochloromethane	7.818	49	114361	52.848	ug/l #	77
29) Tetrahydrofuran	7.835	42	305447	251.997	ug/l	89
30) Chloroform	7.965	83	233990	51.847	ug/l	98
31) Cyclohexane	8.253	56	219491	48.925	ug/l	89
32) 1,1,1-Trichloroethane	8.171	97	192276	47.774	ug/l	93
36) 1,1-Dichloropropene	8.371	75	167519	48.712	ug/l	97
37) Ethyl Acetate	7.559	43	188764	50.767	ug/l	97
38) Carbon Tetrachloride	8.365	117	152881	45.485	ug/l	96
39) Methylcyclohexane	9.600	83	205546	49.214	ug/l #	86
40) Benzene	8.606	78	549977	53.274	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	108104	45.565	ug/l	92
42) 1,2-Dichloroethane	8.671	62	179581	46.845	ug/l	98
43) Isopropyl Acetate	8.688	43	341952	48.910	ug/l	94
44) Trichloroethene	9.353	130	134613	56.556	ug/l	99
45) 1,2-Dichloropropane	9.624	63	143494	53.111	ug/l	99
46) Dibromomethane	9.712	93	91347	48.916	ug/l	91
47) Bromodichloromethane	9.888	83	189789	48.191	ug/l	97
48) Methyl methacrylate	9.682	41	152977	45.835	ug/l	92
49) 1,4-Dioxane	9.694	88	53075	1046.261	ug/l #	85
51) 4-Methyl-2-Pentanone	10.447	43	981983	249.502	ug/l	96
52) Toluene	10.629	92	327692	53.004	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	205312	47.911	ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	219144	49.619	ug/l #	88
55) 1,1,2-Trichloroethane	11.018	97	122255	50.281	ug/l	97
56) Ethyl methacrylate	10.876	69	228716	49.400	ug/l	87
57) 1,3-Dichloropropane	11.165	76	225660	52.203	ug/l	99
59) 2-Hexanone	11.200	43	729088	248.920	ug/l	96
60) Dibromochloromethane	11.359	129	130205	50.560	ug/l	98
61) 1,2-Dibromoethane	11.471	107	119732	51.494	ug/l	98
64) Tetrachloroethene	11.106	164	99932	44.722	ug/l	97
65) Chlorobenzene	11.894	112	347582	51.734	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	108893	49.870	ug/l	96
67) Ethyl Benzene	11.965	91	626717	50.158	ug/l	98
68) m/p-Xylenes	12.070	106	468317	105.078	ug/l	96
69) o-Xylene	12.400	106	226471	52.048	ug/l	93
70) Styrene	12.412	104	389318	51.721	ug/l	97
71) Bromoform	12.582	173	79101	46.079	ug/l #	99
73) Isopropylbenzene	12.694	105	579636	51.014	ug/l	99
74) N-amyl acetate	12.494	43	308148	48.712	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.941	83	176968	51.865	ug/l	95
76) 1,2,3-Trichloropropane	12.994	75	162154m	48.938	ug/l	
77) Bromobenzene	12.982	156	121321	51.025	ug/l	74
78) n-propylbenzene	13.035	91	697694	50.552	ug/l	96
79) 2-Chlorotoluene	13.129	91	419315	47.753	ug/l	93
80) 1,3,5-Trimethylbenzene	13.176	105	473641	49.262	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.741	75	78369	48.465	ug/l	92
82) 4-Chlorotoluene	13.223	91	416315	48.835	ug/l	95
83) tert-Butylbenzene	13.441	119	395597	49.407	ug/l	93
84) 1,2,4-Trimethylbenzene	13.482	105	469909	48.940	ug/l	99
85) sec-Butylbenzene	13.617	105	580300	51.452	ug/l	97
86) p-Isopropyltoluene	13.729	119	457611	50.531	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	228309	51.462	ug/l	96
88) 1,4-Dichlorobenzene	13.812	146	225803	51.685	ug/l	96
89) n-Butylbenzene	14.059	91	426095	50.549	ug/l	96
90) Hexachloroethane	14.335	117	87401	49.061	ug/l	87
91) 1,2-Dichlorobenzene	14.106	146	217219	51.075	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	35204	42.379	ug/l	83
93) 1,2,4-Trichlorobenzene	15.394	180	116320	48.887	ug/l	99
94) Hexachlorobutadiene	15.506	225	38101	43.445	ug/l	95
95) Naphthalene	15.641	128	444231	49.409	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	113892	49.856	ug/l	98

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

