Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX013124\
Data File : VX040040.D
Acq On : 31 Jan 2024 12:04
Operator : JC/MD
Sample : P1187-09 0.2PPB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT1-2024

Manual Integrations APPROVED

Reviewed By :John Carlone 02/01/2024
Supervised By :Mahesh Dadoda 02/01/2024

Quant Time: Feb 01 05:07:54 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X013024W.M
Quant Title : SW846 8260
QLast Update : Thu Feb 01 05:07:23 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.550	168	94625	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	6.763	114	171456	50.000	ug/l		0.00
63) Chlorobenzene-d5	10.055	117	156966	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	71428	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	5.958	65	76331	50.123	ug/l		0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.240%				
35) Dibromofluoromethane	5.385	113	56779	48.647	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.300%				
50) Toluene-d8	8.647	98	206381	47.282	ug/l		0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 94.560%				
62) 4-Bromofluorobenzene	11.079	95	72691	43.251	ug/l		0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 86.500%				
Target Compounds							Qvalue
3) Chloromethane	1.294	50	297	0.294	ug/l		97
4) Vinyl Chloride	1.374	62	273	0.292	ug/l	#	86
5) Bromomethane	1.605	94	186	0.205	ug/l	#	3
7) Trichlorofluoromethane	1.898	101	382	0.257	ug/l		90
9) 1,1,2-Trichlorotrifluo...	2.319	101	262m	0.236	ug/l		
11) Tert butyl alcohol	2.941	59	551	1.994	ug/l	#	78
12) 1,1-Dichloroethene	2.319	96	225	0.211	ug/l	#	57
13) Acrolein	2.233	56	394	1.488	ug/l	#	80
14) Allyl chloride	2.666	41	397	0.207	ug/l	#	72
15) Acrylonitrile	3.075	53	700	1.011	ug/l	#	82
16) Acetone	2.374	43	984	1.379	ug/l		98
17) Carbon Disulfide	2.508	76	1138	0.366	ug/l	#	95
20) Methylene Chloride	2.788	84	409	0.323	ug/l	#	81
22) Diisopropyl ether	3.757	45	750	0.202	ug/l	#	67
23) Vinyl Acetate	3.733	43	2514	0.756	ug/l	#	73
24) 1,1-Dichloroethane	3.629	63	490m	0.230	ug/l		
25) 2-Butanone	4.605	43	874m	0.881	ug/l		
29) Tetrahydrofuran	5.032	42	694m	1.100	ug/l		
31) Cyclohexane	5.477	56	429m	0.225	ug/l		
36) 1,1-Dichloropropene	5.690	75	421m	0.249	ug/l		
42) 1,2-Dichloroethane	6.092	62	447m	0.236	ug/l		
44) Trichloroethene	7.129	130	281	0.217	ug/l		46
49) 1,4-Dioxane	7.696	88	21	0.675	ug/l	#	12
51) 4-Methyl-2-Pentanone	8.574	43	1614	0.813	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.263	63	645	0.692	ug/l	#	85
59) 2-Hexanone	9.439	43	1175	0.743	ug/l		87
64) Tetrachloroethene	9.275	164	286	0.280	ug/l	#	66
65) Chlorobenzene	10.079	112	829	0.256	ug/l	#	78
66) 1,1,1,2-Tetrachloroethane	10.159	131	266	0.243	ug/l	#	43
67) Ethyl Benzene	10.195	91	1211	0.208	ug/l		91
68) m/p-Xylenes	10.305	106	871	0.398	ug/l		95
71) Bromoform	10.799	173	176	0.210	ug/l	#	29
76) 1,2,3-Trichloropropane	11.244	75	391m	0.257	ug/l		
77) Bromobenzene	11.201	156	343	0.290	ug/l		80
78) n-propylbenzene	11.311	91	1363	0.216	ug/l		89
79) 2-Chlorotoluene	11.366	91	961	0.253	ug/l		81

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
82) 4-Chlorotoluene	11.463	91	1059	0.243	ug/l		97
85) sec-Butylbenzene	11.890	105	1203	0.215	ug/l		86
86) p-Isopropyltoluene	12.006	119	973	0.213	ug/l	#	73
87) 1,3-Dichlorobenzene	11.969	146	715	0.300	ug/l		94
88) 1,4-Dichlorobenzene	12.043	146	780m	0.319	ug/l		
89) n-Butylbenzene	12.335	91	989	0.223	ug/l		89
91) 1,2-Dichlorobenzene	12.335	146	531	0.231	ug/l		86
93) 1,2,4-Trichlorobenzene	13.591	180	555	0.386	ug/l		85
94) Hexachlorobutadiene	13.719	225	118	0.208	ug/l		84
95) Naphthalene	13.774	128	1398	0.286	ug/l	#	90
96) 1,2,3-Trichlorobenzene	13.963	180	407	0.286	ug/l		92

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

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