

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062124\
 Data File : VX041975.D
 Acq On : 21 Jun 2024 12:50
 Operator : JC/MD
 Sample : P2403-09 0.75PPB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2024

Quant Time: Jun 22 05:59:38 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 22 05:57:20 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John
 Carlone

06/24/2024
 Supervised By :Mahesh
 Dadoda

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	174203	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	259604	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	228750	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	110073	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	97790	48.681	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	97.360%
35) Dibromofluoromethane	5.385	113	86324	46.864	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.720%
50) Toluene-d8	8.647	98	297711	46.006	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	92.020%
62) 4-Bromofluorobenzene	11.079	95	105489	44.222	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	88.440%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.166	85	952	0.717	ug/l	86
3) Chloromethane	1.300	50	1442	0.866	ug/l	93
4) Vinyl Chloride	1.374	62	1274	0.763	ug/l #	79
5) Bromomethane	1.599	94	1121	1.360	ug/l	89
6) Chloroethane	1.660	64	1739	2.070	ug/l #	52
7) Trichlorofluoromethane	1.867	101	1738	0.795	ug/l #	77
8) Diethyl Ether	2.136	74	784	0.764	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.312	101	1198	0.795	ug/l #	87
10) Methyl Iodide	2.447	142	1130	0.604	ug/l #	80
11) Tert butyl alcohol	2.995	59	1264	3.316	ug/l #	78
12) 1,1-Dichloroethene	2.306	96	1092	0.727	ug/l #	78
13) Acrolein	2.239	56	1248	2.920	ug/l	97
14) Allyl chloride	2.654	41	1747	0.733	ug/l	87
15) Acrylonitrile	3.081	53	3471	3.486	ug/l	98
16) Acetone	2.392	43	3748	4.249	ug/l	94
17) Carbon Disulfide	2.495	76	2401	0.784	ug/l	99
18) Methyl Acetate	2.709	43	1784	0.741	ug/l	98
19) Methyl tert-butyl Ether	3.129	73	3382	0.681	ug/l	95
20) Methylene Chloride	2.788	84	2337	1.210	ug/l	91
21) trans-1,2-Dichloroethene	3.081	96	1134	0.744	ug/l #	83
22) Diisopropyl ether	3.776	45	3591	0.713	ug/l #	88
23) Vinyl Acetate	3.739	43	13540	3.148	ug/l	96
24) 1,1-Dichloroethane	3.611	63	2078	0.737	ug/l #	90
25) 2-Butanone	4.605	43	4719	3.439	ug/l	98
26) 2,2-Dichloropropane	4.465	77	1319	0.646	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	1270	0.665	ug/l	91
28) Bromochloromethane	4.903	49	838	0.694	ug/l #	76
29) Tetrahydrofuran	5.044	42	2937	3.314	ug/l #	90
30) Chloroform	5.105	83	2029	0.690	ug/l	94
31) Cyclohexane	5.458	56	1631	0.694	ug/l	92
32) 1,1,1-Trichloroethane	5.385	97	1712	0.697	ug/l #	49
36) 1,1-Dichloropropene	5.690	75	1572	0.804	ug/l #	93
37) Ethyl Acetate	4.757	43	2031	0.797	ug/l #	77
38) Carbon Tetrachloride	5.678	117	1434	0.664	ug/l	88
39) Methylcyclohexane	7.379	83	1652	0.668	ug/l #	80
40) Benzene	6.044	78	4972	0.754	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.958	41	813m	0.589	ug/l	
42) 1,2-Dichloroethane	6.098	62	1702	0.801	ug/l	85
43) Isopropyl Acetate	6.373	43	2645	0.676	ug/l	95
44) Trichloroethene	7.135	130	1478	0.836	ug/l	79
45) 1,2-Dichloropropane	7.440	63	1126	0.694	ug/l #	82
46) Dibromomethane	7.592	93	849	0.718	ug/l #	81
47) Bromodichloromethane	7.830	83	1419	0.654	ug/l	94
48) Methyl methacrylate	7.714	41	1091m	0.584	ug/l	
49) 1,4-Dioxane	7.714	88	350m	7.755	ug/l	
51) 4-Methyl-2-Pentanone	8.580	43	8226	3.053	ug/l	96
52) Toluene	8.720	92	2952	0.703	ug/l	93
53) t-1,3-Dichloropropene	8.988	75	1028	0.484	ug/l #	85
54) cis-1,3-Dichloropropene	8.378	75	1402	0.590	ug/l	96
55) 1,1,2-Trichloroethane	9.159	97	1136	0.649	ug/l #	86
56) Ethyl methacrylate	9.128	69	1457	0.535	ug/l #	95
57) 1,3-Dichloropropane	9.311	76	1879	0.665	ug/l	92
58) 2-Chloroethyl Vinyl ether	8.250	63	4175	3.291	ug/l	99
59) 2-Hexanone	9.445	43	5947	2.882	ug/l	94
60) Dibromochloromethane	9.525	129	1039	0.547	ug/l	83
61) 1,2-Dibromoethane	9.616	107	1260	0.694	ug/l	98
64) Tetrachloroethene	9.275	164	1254	0.753	ug/l	87
65) Chlorobenzene	10.085	112	3505	0.737	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.165	131	1171	0.703	ug/l #	66
67) Ethyl Benzene	10.195	91	5024	0.674	ug/l	99
68) m/p-Xylenes	10.305	106	3759	1.249	ug/l	96
69) o-Xylene	10.646	106	2010	0.675	ug/l	91
70) Styrene	10.665	104	3086	0.618	ug/l #	90
71) Bromoform	10.799	173	947	0.636	ug/l #	93
73) Isopropylbenzene	10.963	105	4636	0.693	ug/l	96
74) N-amyl acetate	10.854	43	1780	0.599	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	11.213	83	2042	0.821	ug/l	91
76) 1,2,3-Trichloropropane	11.244	75	1555m	0.778	ug/l	
77) Bromobenzene	11.201	156	1571	0.788	ug/l	80
78) n-propylbenzene	11.305	91	5125	0.706	ug/l	96
79) 2-Chlorotoluene	11.372	91	3674	0.785	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	3910	0.701	ug/l	100
82) 4-Chlorotoluene	11.457	91	4051	0.783	ug/l	97
83) tert-Butylbenzene	11.719	119	4309	0.704	ug/l	88
84) 1,2,4-Trimethylbenzene	11.756	105	3793	0.678	ug/l	94
85) sec-Butylbenzene	11.890	105	4512	0.652	ug/l	96
86) p-Isopropyltoluene	12.012	119	3686	0.610	ug/l	95
87) 1,3-Dichlorobenzene	11.975	146	2443	0.697	ug/l	94
88) 1,4-Dichlorobenzene	12.042	146	2770m	0.771	ug/l	
89) n-Butylbenzene	12.335	91	2656	0.571	ug/l	98
90) Hexachloroethane	12.542	117	597	0.580	ug/l #	51
91) 1,2-Dichlorobenzene	12.335	146	2555	0.713	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	12.951	75	260	0.527	ug/l #	45
93) 1,2,4-Trichlorobenzene	13.591	180	1485	0.632	ug/l	88
94) Hexachlorobutadiene	13.725	225	810	0.682	ug/l	99
95) Naphthalene	13.780	128	4435	0.613	ug/l	97
96) 1,2,3-Trichlorobenzene	13.963	180	1572	0.635	ug/l	93

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Manual Integrations
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Carlone

06/24/2024
Supervised By :Mahesh
Dadoda

06/24/2024

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

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

Manual Integrations

06/24/2024
Supervised By :Mahesh
Dadoda

06/24/2024

Abundance

TIC: VX041975.D\data.ms

Dadoda

06/24/2024

Time-->

Chlorodifluoromethane, T
Chloromethane, T
Trichlorofluoromethane, T
Diethyl Ether, T
2,2-Dichloroethane, T
Chloroform, T
Methyl Chloride, T
Toluene, T
1,1-Dichloroethane, P
Diisopropyl Ether, T
2,4-Dichlorobenzene, T
2,5-Dichlorobenzene, T
1,2-Dichlorobenzene, T
Chlorobenzene, T
Cyclohexane, T
Dibromodichloromethane, S
Pentafluorobenzene, I
1,2-Dichloroethane-d4, S
Isopropyl Acetate, T
1,4-Difluorobenzene, I
Trichloroethene, TM
Methyl Chloride, T
Dichloromethane, T
Bromochloromethane, T
2-Chloroethyl Vinyl ether, T
cis-1,3-Dichloropropene, T
Toluene, TM
1,3-Dichloropropene, T
1,2-Dichloroethane, T
1,2-Dichlorobenzene, I
1,2-Dibromodichloromethane, T
Chlorobenzene, TM
Chlorobenzene, T
m/p-Xylenes, T
Styrene, T
Isopropyl Acetate, T
Isopropylbenzene, T
1,2-Dichloroethane, P
1,2-Dichlorobenzene, T
1,2,4-Trichlorobenzene, T
1,2,3-Trichlorobenzene, T
p-Isopropyltoluene, T
1,4-Dichlorobenzene-d4, I
p-Dichlorobenzene, T
Hexachloroethane, T
1,2-Dibromo-3-Chloropropane, T
1,2,4-Trichlorobenzene, T
1,2,3-Trichlorobenzene, T