

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010924\
 Data File : VX039687.D
 Acq On : 09 Jan 2024 18:23
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Quant Time: Jan 10 07:22:22 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X010924W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 10 07:08:34 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 01/10/2024
 Supervised By : Mahesh Dadoda 01/10/2024

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	111189	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	203302	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	171132	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	67046	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l	
Spiked Amount	50.000	Range	78 - 117	Recovery	=	0.000%#
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l	
Spiked Amount	50.000	Range	75 - 124	Recovery	=	0.000%#
50) Toluene-d8	0.000	98	0d	0.000	ug/l	
Spiked Amount	50.000	Range	92 - 112	Recovery	=	0.000%#
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l	
Spiked Amount	50.000	Range	83 - 123	Recovery	=	0.000%#
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	1412	0.945	ug/l	91
3) Chloromethane	1.294	50	1816	1.089	ug/l	90
4) Vinyl Chloride	1.374	62	1454	0.920	ug/l #	82
6) Chloroethane	1.666	64	897m	1.184	ug/l	
7) Trichlorofluoromethane	1.873	101	2434	1.047	ug/l #	76
8) Diethyl Ether	2.136	74	797	0.945	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.325	101	1192	0.863	ug/l	93
12) 1,1-Dichloroethene	2.312	96	1380	1.009	ug/l	96
14) Allyl chloride	2.660	41	2674	1.001	ug/l	99
15) Acrylonitrile	3.068	53	5101	5.089	ug/l	98
16) Acetone	2.386	43	5083	5.070	ug/l #	88
17) Carbon Disulfide	2.507	76	4988	1.264	ug/l #	94
18) Methyl Acetate	2.709	43	2264	1.026	ug/l #	87
19) Methyl tert-butyl Ether	3.117	73	4566	0.949	ug/l	99
20) Methylene Chloride	2.788	84	1929	1.159	ug/l	87
21) trans-1,2-Dichloroethene	3.099	96	1527	1.071	ug/l	85
22) Diisopropyl ether	3.763	45	4725	0.931	ug/l #	85
23) Vinyl Acetate	3.727	43	20167	4.288	ug/l	98
24) 1,1-Dichloroethane	3.605	63	2556	0.911	ug/l #	83
25) 2-Butanone	4.568	43	6921	4.723	ug/l	92
26) 2,2-Dichloropropane	4.471	77	1967	0.889	ug/l	94
27) cis-1,2-Dichloroethene	4.483	96	1590	0.970	ug/l	97
28) Bromochloromethane	4.903	49	1175	0.915	ug/l #	88
29) Tetrahydrofuran	5.019	42	4599	4.813	ug/l	94
30) Chloroform	5.092	83	2487	0.908	ug/l	89
32) 1,1,1-Trichloroethane	5.379	97	1967	0.844	ug/l #	49
36) 1,1-Dichloropropene	5.696	75	2283	1.099	ug/l	94
37) Ethyl Acetate	4.733	43	2604	0.960	ug/l #	86
38) Carbon Tetrachloride	5.672	117	1869	0.955	ug/l #	72
39) Methylcyclohexane	7.379	83	2277	0.909	ug/l	93
40) Benzene	6.043	78	5689	0.948	ug/l #	76
41) Methacrylonitrile	4.952	41	1209	0.881	ug/l #	88
42) 1,2-Dichloroethane	6.092	62	2091	0.901	ug/l	93
43) Isopropyl Acetate	6.354	43	3455	0.832	ug/l #	94
44) Trichloroethene	7.129	130	1401	0.972	ug/l	75
45) 1,2-Dichloropropane	7.433	63	1555	0.950	ug/l #	86

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Manual Integrations
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Reviewed By : John Carlone 01/10/2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	7.592	93	936	0.863	ug/l	94
47) Bromodichloromethane	7.830	83	1621	0.811	ug/l	91
48) Methyl methacrylate	7.714	41	1476	0.751	ug/l #	84
49) 1,4-Dioxane	7.677	88	723	18.096	ug/l #	95
51) 4-Methyl-2-Pentanone	8.573	43	12044	4.359	ug/l	100
52) Toluene	8.720	92	3462	0.957	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	1850	0.849	ug/l	93
54) cis-1,3-Dichloropropene	8.372	75	1897	0.802	ug/l	91
55) 1,1,2-Trichloroethane	9.159	97	1489	0.985	ug/l #	82
56) Ethyl methacrylate	9.122	69	1889	0.776	ug/l	88
57) 1,3-Dichloropropane	9.311	76	2242	0.874	ug/l	90
58) 2-Chloroethyl Vinyl ether	8.244	63	4974	4.334	ug/l	95
59) 2-Hexanone	9.439	43	9206	4.178	ug/l	100
60) Dibromochloromethane	9.518	129	1050	0.766	ug/l	100
61) 1,2-Dibromoethane	9.616	107	1357	0.869	ug/l	95
64) Tetrachloroethene	9.268	164	1088	1.007	ug/l #	80
65) Chlorobenzene	10.079	112	3482	0.980	ug/l	92
66) 1,1,1,2-Tetrachloroethane	10.165	131	1063	0.854	ug/l #	64
67) Ethyl Benzene	10.195	91	6052	0.919	ug/l	97
68) m/p-Xylenes	10.305	106	4670	1.925	ug/l	94
69) o-Xylene	10.646	106	2279	0.947	ug/l	92
70) Styrene	10.658	104	3283	0.854	ug/l	91
71) Bromoform	10.805	173	713	0.795	ug/l #	93
73) Isopropylbenzene	10.963	105	5527	0.994	ug/l	96
74) N-amyl acetate	10.847	43	2447	0.826	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	2225	1.033	ug/l	96
76) 1,2,3-Trichloropropane	11.238	75	1990m	1.100	ug/l	
77) Bromobenzene	11.201	156	1439	1.152	ug/l	89
78) n-propylbenzene	11.305	91	6174	0.941	ug/l	95
79) 2-Chlorotoluene	11.366	91	4377	1.064	ug/l	93
80) 1,3,5-Trimethylbenzene	11.451	105	4746	1.000	ug/l	94
82) 4-Chlorotoluene	11.457	91	4989	1.071	ug/l	98
83) tert-Butylbenzene	11.719	119	4458	0.974	ug/l	93
84) 1,2,4-Trimethylbenzene	11.756	105	4424	0.935	ug/l	90
85) sec-Butylbenzene	11.890	105	5066	0.888	ug/l	100
86) p-Isopropyltoluene	12.012	119	3973	0.876	ug/l	90
87) 1,3-Dichlorobenzene	11.975	146	2634	1.117	ug/l	96
88) 1,4-Dichlorobenzene	12.042	146	2607m	1.109	ug/l	
89) n-Butylbenzene	12.335	91	3750	0.898	ug/l	90
90) Hexachloroethane	12.542	117	663	0.838	ug/l	82
91) 1,2-Dichlorobenzene	12.335	146	2741	1.165	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	430	0.861	ug/l	88
93) 1,2,4-Trichlorobenzene	13.591	180	1415	1.055	ug/l	96
94) Hexachlorobutadiene	13.725	225	511	0.917	ug/l	97
95) Naphthalene	13.774	128	6085	1.138	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	1390	1.014	ug/l	94

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

