

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121321\
 Data File : VX025765.D
 Acq On : 13 Dec 2021 21:37
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Quant Time: Dec 14 06:35:24 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121321W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 14 06:31:32 2021
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 12/14/2021
 Supervised By : Mahesh Dadoda 12/17/2021

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	111881	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	177127	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	183112	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	91877	50.000	ug/l	# 0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.958	65	229227	179.783	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 359.560%#	
35) Dibromofluoromethane	5.391	113	199013	176.984	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 353.960%#	
50) Toluene-d8	8.653	98	744355	178.684	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 357.360%#	
62) 4-Bromofluorobenzene	11.085	95	290070	182.915	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 365.840%#	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.166	85	180550	190.806	ug/l	97
3) Chloromethane	1.288	50	189283	155.536	ug/l	98
4) Vinyl Chloride	1.374	62	198732	151.339	ug/l	99
5) Bromomethane	1.593	94	134852	207.626	ug/l	98
6) Chloroethane	1.666	64	138763	150.456	ug/l	100
7) Trichlorofluoromethane	1.874	101	333646	168.928	ug/l	97
8) Diethyl Ether	2.136	74	121703	147.090	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.325	101	181838	172.915	ug/l	98
10) Methyl Iodide	2.447	142	229761	170.595	ug/l	99
11) Tert butyl alcohol	2.989	59	215960	676.790	ug/l	99
12) 1,1-Dichloroethene	2.313	96	177572	168.040	ug/l	99
13) Acrolein	2.239	56	154544	1835.742	ug/l	98
14) Allyl chloride	2.660	41	302918	156.400	ug/l	98
15) Acrylonitrile	3.075	53	528935	804.610	ug/l	100
16) Acetone	2.386	43	493814	729.295	ug/l	100
17) Carbon Disulfide	2.508	76	511310	171.095	ug/l	100
18) Methyl Acetate	2.709	43	340709	155.625	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	604952	160.786	ug/l	98
20) Methylene Chloride	2.788	84	202135	156.801	ug/l	99
21) trans-1,2-Dichloroethene	3.093	96	195610	166.499	ug/l	96
22) Diisopropyl ether	3.770	45	610043	163.651	ug/l	88
23) Vinyl Acetate	3.727	43	2452888	821.419	ug/l	99
24) 1,1-Dichloroethane	3.611	63	337480	165.394	ug/l	98
25) 2-Butanone	4.568	43	766174	781.300	ug/l	99
26) 2,2-Dichloropropane	4.477	77	268443	151.196	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	223559	162.705	ug/l	99
28) Bromochloromethane	4.904	49	152832	160.053	ug/l	98
29) Tetrahydrofuran	5.013	42	484788	792.759	ug/l	99
30) Chloroform	5.099	83	364661	170.063	ug/l	98
31) Cyclohexane	5.477	56	306478	167.315	ug/l	98
32) 1,1,1-Trichloroethane	5.391	97	331697	171.300	ug/l	99
36) 1,1-Dichloropropene	5.696	75	268121	171.420	ug/l	98
37) Ethyl Acetate	4.721	43	292213	162.830	ug/l	99
38) Carbon Tetrachloride	5.684	117	305308	176.699	ug/l	99
39) Methylcyclohexane	7.385	83	322742	167.468	ug/l	99
40) Benzene	6.044	78	782205	164.140	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	161300	161.856	ug/l	99
42) 1,2-Dichloroethane	6.092	62	280645	175.777	ug/l	99
43) Isopropyl Acetate	6.348	43	474141	160.129	ug/l	100
44) Trichloroethene	7.129	130	219939	161.409	ug/l	98
45) 1,2-Dichloropropane	7.434	63	195089	166.555	ug/l	97
46) Dibromomethane	7.580	93	147107	170.562	ug/l	97
47) Bromodichloromethane	7.824	83	299578	176.171	ug/l	97
48) Methyl methacrylate	7.696	41	229680	164.295	ug/l	99
49) 1,4-Dioxane	7.665	88	94468	3203.725	ug/l	99
51) 4-Methyl-2-Pentanone	8.580	43	1587770	849.401	ug/l	99
52) Toluene	8.720	92	519646	167.283	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	322051	173.571	ug/l	100
54) cis-1,3-Dichloropropene	8.373	75	339313	169.389	ug/l	96
55) 1,1,2-Trichloroethane	9.159	97	215320	173.076	ug/l	96
56) Ethyl methacrylate	9.122	69	343139	171.992	ug/l	99
57) 1,3-Dichloropropane	9.311	76	352338	170.586	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.251	63	787699	857.927	ug/l	99
59) 2-Hexanone	9.439	43	1213035	828.503	ug/l	99
60) Dibromochloromethane	9.525	129	256331	177.826	ug/l	100
61) 1,2-Dibromoethane	9.616	107	235922	174.771	ug/l	99
64) Tetrachloroethene	9.275	164	209771	139.971	ug/l	97
65) Chlorobenzene	10.086	112	584403	155.402	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	226602	156.328	ug/l	99
67) Ethyl Benzene	10.195	91	1030389	158.882	ug/l	99
68) m/p-Xylenes	10.305	106	802736	303.598	ug/l	99
69) o-Xylene	10.646	106	397869	153.799	ug/l	99
70) Styrene	10.659	104	675338	157.218	ug/l	99
71) Bromoform	10.805	173	199574	159.460	ug/l	99
73) Isopropylbenzene	10.964	105	1037923	157.969	ug/l	100
74) N-amyl acetate	10.848	43	443551	156.558	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	331576	153.543	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	281133m	147.054	ug/l	
77) Bromobenzene	11.201	156	258362	152.577	ug/l	98
78) n-propylbenzene	11.305	91	1213788	164.827	ug/l	100
79) 2-Chlorotoluene	11.366	91	711343	156.706	ug/l	100
80) 1,3,5-Trimethylbenzene	11.457	105	860074	155.114	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.024	75	110994	150.770	ug/l	96
82) 4-Chlorotoluene	11.457	91	816678	157.662	ug/l	100
83) tert-Butylbenzene	11.719	119	849938	152.513	ug/l	100
84) 1,2,4-Trimethylbenzene	11.756	105	871572	158.601	ug/l	99
85) sec-Butylbenzene	11.896	105	1080591	160.036	ug/l	100
86) p-Isopropyltoluene	12.012	119	919824	158.765	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	488426	155.312	ug/l	100
88) 1,4-Dichlorobenzene	12.043	146	496242	155.159	ug/l	98
89) n-Butylbenzene	12.335	91	793588	163.426	ug/l	100
90) Hexachloroethane	12.542	117	174897	162.823	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	468511	152.254	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.945	75	78196	171.588	ug/l	95
93) 1,2,4-Trichlorobenzene	13.591	180	294319	167.668	ug/l	99
94) Hexachlorobutadiene	13.725	225	114462	138.814	ug/l	99
95) Naphthalene	13.780	128	987569	177.649	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	289831	167.148	ug/l	99

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

