

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121721\
 Data File : VX025870.D
 Acq On : 16 Dec 2021 21:01
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/17/2021
 Supervised By : Mahesh Dadoda 12/22/2021

Quant Time: Dec 17 02:38:34 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121321W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 14 07:02:11 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	124119	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	203610	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	196637	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	97500	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	77834	43.584	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	87.160%		
35) Dibromofluoromethane	5.391	113	64602	45.494	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.980%		
50) Toluene-d8	8.653	98	243784	47.119	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	94.240%		
62) 4-Bromofluorobenzene	11.085	95	92975	47.307	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.620%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	69821	62.899	ug/l	99
3) Chloromethane	1.295	50	71813	49.683	ug/l	99
4) Vinyl Chloride	1.374	62	76404	49.695	ug/l	100
5) Bromomethane	1.599	94	44145	40.212	ug/l	100
6) Chloroethane	1.679	64	50859	45.672	ug/l	100
7) Trichlorofluoromethane	1.880	101	121685	47.915	ug/l	93
8) Diethyl Ether	2.136	74	45912	45.830	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.325	101	64777	49.016	ug/l	99
10) Methyl Iodide	2.453	142	82951	49.262	ug/l	99
11) Tert butyl alcohol	2.977	59	79873	222.963	ug/l	100
12) 1,1-Dichloroethene	2.319	96	62019	47.200	ug/l	99
13) Acrolein	2.239	56	63644	259.917	ug/l	100
14) Allyl chloride	2.666	41	103999	43.367	ug/l	97
15) Acrylonitrile	3.069	53	201046	240.402	ug/l	100
16) Acetone	2.386	43	175749	225.379	ug/l	100
17) Carbon Disulfide	2.508	76	143072	38.013	ug/l	98
18) Methyl Acetate	2.709	43	131290	48.235	ug/l	99
19) Methyl tert-butyl Ether	3.123	73	220584	47.529	ug/l	100
20) Methylene Chloride	2.794	84	70992	46.297	ug/l	99
21) trans-1,2-Dichloroethene	3.093	96	68331	46.597	ug/l	97
22) Diisopropyl ether	3.770	45	223880	48.128	ug/l	91
23) Vinyl Acetate	3.727	43	876767	243.568	ug/l	100
24) 1,1-Dichloroethane	3.611	63	121403	45.708	ug/l	98
25) 2-Butanone	4.568	43	286834	238.804	ug/l	99
26) 2,2-Dichloropropane	4.477	77	74389	36.926	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	80059	46.044	ug/l	99
28) Bromochloromethane	4.904	49	56105	46.874	ug/l	99
29) Tetrahydrofuran	5.013	42	187374	245.359	ug/l	100
30) Chloroform	5.099	83	130278	44.722	ug/l	97
31) Cyclohexane	5.477	56	111576	51.376	ug/l	98
32) 1,1,1-Trichloroethane	5.391	97	115257	45.460	ug/l	98
36) 1,1-Dichloropropene	5.702	75	93590	48.601	ug/l	98
37) Ethyl Acetate	4.727	43	109759	51.302	ug/l	98
38) Carbon Tetrachloride	5.684	117	98588	44.002	ug/l	98
39) Methylcyclohexane	7.385	83	114891	53.322	ug/l	100
40) Benzene	6.044	78	279832	48.715	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	57819	48.832	ug/l	97
42) 1,2-Dichloroethane	6.092	62	101914	46.681	ug/l	100
43) Isopropyl Acetate	6.348	43	169708	49.235	ug/l	99
44) Trichloroethene	7.129	130	79003	49.401	ug/l	92
45) 1,2-Dichloropropane	7.434	63	70365	48.600	ug/l	96
46) Dibromomethane	7.586	93	52662	46.721	ug/l	96
47) Bromodichloromethane	7.824	83	96576	43.472	ug/l	94
48) Methyl methacrylate	7.696	41	83480	51.430	ug/l	99
49) 1,4-Dioxane	7.665	88	38263	1079.770	ug/l	97
51) 4-Methyl-2-Pentanone	8.580	43	590502	261.699	ug/l	99
52) Toluene	8.720	92	184923	50.524	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	95380	45.043	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	107181	46.259	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	75810	48.299	ug/l	96
56) Ethyl methacrylate	9.116	69	117660	52.196	ug/l	99
57) 1,3-Dichloropropane	9.311	76	126118	48.986	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	306387	276.504	ug/l	99
59) 2-Hexanone	9.433	43	453397	265.200	ug/l	99
60) Dibromochloromethane	9.525	129	77777	43.659	ug/l	99
61) 1,2-Dibromoethane	9.610	107	80064	47.044	ug/l	98
64) Tetrachloroethene	9.275	164	69598	44.372	ug/l	99
65) Chlorobenzene	10.080	112	201519	49.165	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.165	131	72522	45.309	ug/l	98
67) Ethyl Benzene	10.195	91	354371	51.126	ug/l	99
68) m/p-Xylenes	10.305	106	280277	103.918	ug/l	98
69) o-Xylene	10.646	106	140122	52.811	ug/l	98
70) Styrene	10.659	104	230260	52.152	ug/l	100
71) Bromoform	10.805	173	54804	41.564	ug/l #	100
73) Isopropylbenzene	10.964	105	357968	50.588	ug/l	100
74) N-amyl acetate	10.848	43	157827	55.453	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	120632	48.913	ug/l	98
76) 1,2,3-Trichloropropane	11.244	75	102195m	45.747	ug/l	
77) Bromobenzene	11.201	156	90784	50.017	ug/l	97
78) n-propylbenzene	11.305	91	407539	50.917	ug/l	99
79) 2-Chlorotoluene	11.366	91	247464	48.619	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	297189	50.639	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.024	75	26633	36.962	ug/l #	85
82) 4-Chlorotoluene	11.457	91	280140	49.152	ug/l	100
83) tert-Butylbenzene	11.719	119	301614	52.432	ug/l	99
84) 1,2,4-Trimethylbenzene	11.756	105	301502	51.427	ug/l	100
85) sec-Butylbenzene	11.890	105	371679	53.755	ug/l	99
86) p-Isopropyltoluene	12.012	119	316918	54.577	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	166648	49.276	ug/l	100
88) 1,4-Dichlorobenzene	12.043	146	165459	47.920	ug/l	99
89) n-Butylbenzene	12.335	91	261312	53.948	ug/l	100
90) Hexachloroethane	12.542	117	47988	42.050	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	164599	50.965	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	24242	43.742	ug/l	91
93) 1,2,4-Trichlorobenzene	13.591	180	96517	49.622	ug/l	98
94) Hexachlorobutadiene	13.725	225	39024	56.804	ug/l	98
95) Naphthalene	13.780	128	391334	58.336	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	98895	51.253	ug/l	100

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

