

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111721\
 Data File : VX025183.D
 Acq On : 17 Nov 2021 11:42
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/18/2021
 Supervised By : Mahesh Dadoda 11/18/2021

Quant Time: Nov 17 13:04:14 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 17 12:58:04 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	124022	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	193860	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	178870	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	92024	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	64390	49.430	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.860%		
35) Dibromofluoromethane	5.385	113	58716	48.676	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.360%		
50) Toluene-d8	8.653	98	223120	49.143	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.280%		
62) 4-Bromofluorobenzene	11.079	95	82184	48.162	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.320%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	60792	52.056	ug/l	99
3) Chloromethane	1.288	50	68660	49.199	ug/l	100
4) Vinyl Chloride	1.374	62	76949	49.703	ug/l	100
5) Bromomethane	1.599	94	31756	42.974	ug/l	99
6) Chloroethane	1.679	64	48151	47.147	ug/l	100
7) Trichlorofluoromethane	1.886	101	111789	48.415	ug/l	98
8) Diethyl Ether	2.136	74	44595	47.681	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.325	101	57680	48.001	ug/l	97
10) Methyl Iodide	2.453	142	79086	52.939	ug/l	91
11) Tert butyl alcohol	2.965	59	83495	232.105	ug/l	98
12) 1,1-Dichloroethene	2.319	96	57936	48.675	ug/l	86
13) Acrolein	2.233	56	15530	233.229	ug/l	97
14) Allyl chloride	2.660	41	99917	47.881	ug/l	93
15) Acrylonitrile	3.063	53	177534	243.226	ug/l	98
16) Acetone	2.380	43	182876	240.961	ug/l	93
17) Carbon Disulfide	2.508	76	156984	47.007	ug/l	99
18) Methyl Acetate	2.703	43	112614	47.402	ug/l	97
19) Methyl tert-butyl Ether	3.117	73	197538	48.268	ug/l	99
20) Methylene Chloride	2.788	84	63512	46.009	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	62018	47.674	ug/l	89
22) Diisopropyl ether	3.764	45	194804	47.570	ug/l	97
23) Vinyl Acetate	3.721	43	795656	242.422	ug/l	97
24) 1,1-Dichloroethane	3.611	63	107091	47.849	ug/l	97
25) 2-Butanone	4.556	43	265320	239.526	ug/l	97
26) 2,2-Dichloropropane	4.477	77	97995	47.637	ug/l	96
27) cis-1,2-Dichloroethene	4.489	96	72970	48.122	ug/l	90
28) Bromochloromethane	4.904	49	51008	49.161	ug/l	91
29) Tetrahydrofuran	5.007	42	161126	240.377	ug/l	97
30) Chloroform	5.099	83	111402	48.012	ug/l	98
31) Cyclohexane	5.471	56	99737	47.777	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	101939	48.409	ug/l	97
36) 1,1-Dichloropropene	5.696	75	82981	47.867	ug/l	96
37) Ethyl Acetate	4.715	43	94439	46.164	ug/l	99
38) Carbon Tetrachloride	5.678	117	92792	48.132	ug/l	99
39) Methylcyclohexane	7.385	83	109173	47.661	ug/l	94
40) Benzene	6.044	78	251603	47.753	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	50655	44.796	ug/l	95
42) 1,2-Dichloroethane	6.086	62	82836	48.871	ug/l	92
43) Isopropyl Acetate	6.342	43	157971	47.221	ug/l	97
44) Trichloroethene	7.129	130	74261	48.745	ug/l	89
45) 1,2-Dichloropropane	7.434	63	63093	48.073	ug/l	99
46) Dibromomethane	7.580	93	45418	48.111	ug/l	92
47) Bromodichloromethane	7.824	83	89093	48.278	ug/l	98
48) Methyl methacrylate	7.696	41	73058	47.096	ug/l	95
49) 1,4-Dioxane	7.659	88	32650	961.692	ug/l	95
51) 4-Methyl-2-Pentanone	8.574	43	501186	237.181	ug/l	98
52) Toluene	8.720	92	165820	47.945	ug/l	97
53) t-1,3-Dichloropropene	8.982	75	99568	47.959	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	108055	49.008	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	66423	47.454	ug/l	98
56) Ethyl methacrylate	9.116	69	107128	48.445	ug/l	95
57) 1,3-Dichloropropane	9.311	76	108981	48.375	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.245	63	244679	244.165	ug/l	94
59) 2-Hexanone	9.433	43	401380	243.070	ug/l	96
60) Dibromochloromethane	9.525	129	76201	48.522	ug/l	99
61) 1,2-Dibromoethane	9.610	107	71419	48.502	ug/l	98
64) Tetrachloroethene	9.275	164	73483	48.593	ug/l	92
65) Chlorobenzene	10.080	112	180564	48.474	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	69510	47.984	ug/l	99
67) Ethyl Benzene	10.195	91	316937	48.717	ug/l	97
68) m/p-Xylenes	10.305	106	255081	97.312	ug/l	92
69) o-Xylene	10.647	106	125570	48.330	ug/l	91
70) Styrene	10.659	104	209101	48.782	ug/l	97
71) Bromoform	10.799	173	61285	48.833	ug/l #	100
73) Isopropylbenzene	10.964	105	319544	47.555	ug/l	97
74) N-amyl acetate	10.842	43	139157	47.559	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.214	83	102850	47.553	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	93942m	48.738	ug/l	
77) Bromobenzene	11.201	156	83059	47.639	ug/l	93
78) n-propylbenzene	11.305	91	369398	48.813	ug/l	97
79) 2-Chlorotoluene	11.366	91	215533	47.156	ug/l	95
80) 1,3,5-Trimethylbenzene	11.451	105	268227	47.608	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.018	75	37592	48.131	ug/l	88
82) 4-Chlorotoluene	11.457	91	249011	47.219	ug/l	95
83) tert-Butylbenzene	11.720	119	271414	47.349	ug/l	94
84) 1,2,4-Trimethylbenzene	11.756	105	269800	47.737	ug/l	95
85) sec-Butylbenzene	11.890	105	338643	48.074	ug/l	98
86) p-Isopropyltoluene	12.012	119	290656	48.508	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	156045	48.772	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	154437	48.019	ug/l	97
89) n-Butylbenzene	12.335	91	244333	48.418	ug/l	96
90) Hexachloroethane	12.543	117	53422	49.289	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	150806	48.663	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	23006	50.722	ug/l	81
93) 1,2,4-Trichlorobenzene	13.591	180	97880	54.323	ug/l	98
94) Hexachlorobutadiene	13.725	225	41833	48.709	ug/l	98
95) Naphthalene	13.780	128	323763	57.487	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	94470	53.521	ug/l	98

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

